L’ANSE CREUSE PUBLIC SCHOOLS

COURSEBOOK

2019 - 2020

L’Anse Creuse High School
586.783.6400

L’Anse Creuse High School – North
586.493.5270

Frederick V. Pankow Center
586.783.6570
NOTICE OF NONDISCRIMINATION.

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L'ANSE CREUSE PUBLIC SCHOOLS
STATEMENT OF ASSURANCE OF
COMPLIANCE WITH THE FAMILY, EDUCATION RIGHTS
AND PRIVACY ACT OF 1974 (FERPA)

L’Anse Creuse Public Schools will comply with federal and state laws relating to The Family Educational Rights and Privacy Act of 1974, giving parents the right to inspect and review all official records, files and other information about their children. Student information will be released only with written consent of the parent.
L’Anse Creuse Public Schools prides itself on being a place where:

- Students are challenged to be innovative and critical thinkers while being celebrated for their diversity and individual contributions.
- Staff strives to build relationships with students while promoting a safe nurturing environment for all to learn and grow. Teachers support problem solving and higher level thinking while engaging students in technology.
- Community members, businesses, and alumni partner to provide real world experiences for our students.
- Parents collaborate with staff to help students achieve their full potential by supporting lifelong learning.

BOARD of EDUCATION MEMBERS

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WELCOME STUDENTS/PARENTS

L’Anse Creuse high schools offer a well-rounded curriculum that provides opportunities to meet the needs of all students. As standards and expectations for students continue to increase, this document represents an effort to respond to the many reports and studies which call for increased accountability for students and schools. As a community, we must expect a greater commitment to school achievement to enhance our students’ futures.

We hope that your four years of high school will be a time of exploration, challenge, goal setting, fulfillment and planning for the future. This booklet has been designed to help guide you through this process.

Planning a four-year high school program is a serious undertaking. Although many of your courses will be determined by the educational plan you select, you will still have many other choices to make during your years of high school.

Indecision about your career is normal at this time in your life. Some students already have a specific career goal in mind. Other students have only a vague notion of their career goal. Many students will change their minds several times before setting on a final career. For this reason, it is important for you to plan as challenging a program as you can. If your career plans should change, then it will not be as difficult to move into another program. Choosing courses that meet your needs or interests is the best way to prepare for your future.

During high school, one goal should be to explore the Career Pathways described in this booklet and learn whether or not one is interesting enough to be a potential match for you. Although it is not expected that students will know their specific career choice by the time of graduation, they should know which path is appropriate for them.

This booklet is divided into four parts:

- Introduction
- Career Pathway
- District Policies and Procedures
- Course Descriptions

Students and parents are encouraged to read through this book and discuss the options. Counselors and teachers are eager to help you by making suggestions and recommendations as they apply to the specific pathways. By working together, students, parents, teachers and counselors can help make the high school years a great experience.

Students have many opportunities to build upon their classroom experiences by participating in co-curricular activities – athletics, clubs or organizations. These activities help students develop their creativity, leadership, teamwork, as well as develop long-lasting friendships and relationships.

Trisha Lewis
Alysia Samborsky
Interim Principals
LCHS

Kim Rawski
Principal
LCHS-North

John Haas
Director of Pankow
Frederick V. Pankow Center
# L’Anse Creuse Public Schools Coursebook

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CAREER PATHWAY DEFINITIONS

Career Pathways are broad career groupings that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies. As students enter high school, they will be using an Education Development Plan (EDP) to select a Career Pathway to follow. There are six Career Pathways to help students develop a plan on how to prepare for a chosen career interest. They are described below:

- **Arts and Communications** – Careers in this path are related to humanities and the performing, visual, literary, and media arts. These include graphic, interior, and fashion design; writing, film, fine arts, print and broadcast journalism; languages, media, advertising and public relations.

- **Business Management, Marketing, and Technology** - Careers in this path are related to all aspects of business, including entrepreneurship; sales; personnel; economics; accounting; business administration; finance; computer information systems; and marketing.

- **Engineering/Manufacturing and Industrial Technology** - Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include architecture, engineering, manufacturing, construction, mechanics, and military science.

- **Health Sciences** – Careers in this path are related to the promotion of health as well as the treatment of injuries and disease. These include research, prevention, treatment, and related health technologies.

- **Human Services** – Careers in this path are related to economic, political, and social systems. Careers would include those in education, government, law and Criminal Justice, leisure and recreation, religion, child care, social services, and personal services.

- **Natural Resources and Agriscience** – Careers in this path are related to agriculture, the environment, and natural resources. Career choices would include options in the agricultural sciences, earth sciences, environmental science, fisheries, forestry, horticulture, and wildlife.

Visit the Michigan Occupational Information System website at [http://www.careercruising.com](http://www.careercruising.com) to get more information on the Career Pathways.
Importance of Career Planning
The four years of high school can be an exciting and rewarding time for students. A very important component in preparing for the future involves career planning. Preparing for future educational and career opportunities involves a great deal, and students who are prepared to make these decisions often are more successful than those who lack a sense of direction.

There are many factors that determine success in high school. It is important for students to have a focus so they can make the most of the opportunities that lie before them. Parents, counselors, and teachers play key roles in guiding students through the many challenges that they encounter. It is important to plan early and often, and establish goals.

Participation in a well-organized, well planned career development component, which includes the concepts of Career Pathways, directly affects both readiness for employment and actual employment success. Student performance in school improves, involvement in school and community activities expands, decision-making skills are strengthened, career preparation advances, and flexibility for meeting changes increases. In addition, students who continue formal education beyond high school have a clear direction and a better understanding as to why they are pursuing post-secondary education and training options. Students more readily recognize that learning is a lifelong process.

Competent workers in a high-performance workplace need:

Foundation Skills
- **Basic Skills** – Reading, writing, arithmetic, speaking, and listening
- **Thinking Skills** – The ability to learn, reason, think creatively, make decisions, and solve problems
- **Personal Qualities** – Individual responsibility, self-esteem and self-management, sociability, and integrity

Workplace Competencies
- **Personal Qualities** – They know how to allocate time, money, materials, space, and staff
- **Interpersonal Skills** – They can work on teams, teach others, serve customers, lead, and work well with people from culturally diverse backgrounds.
- **Information** – They can acquire and evaluate data, interpret and communicate, and use computers to process information.
- **Systems** – They understand social, organizational, and technological systems, monitor and correct performance, and design or improve systems

**Technology** – They can select equipment and tools, apply technology to specific tasks, and maintain and troubleshoot equipment
CAREER PLANNING

Educational Development Plan (EDP)

To assist students in planning wisely, L’Anse Creuse Public Schools has implemented a set of six Career Pathways. These pathways are broad areas of study that are flexible enough to allow students to change as they acquire new knowledge and experiences. Using students’ interests and aptitudes identified by test results, parents, counselors, teachers, or other career professionals can help students develop a graduation plan in an appropriate pathway. Students are urged to consider the description of each pathway carefully. When one or more pathways appear interesting, students should look at the possible degrees and the potential jobs and careers associated with the area(s). Then, they need to note the related high school elective courses that will help them prepare for each pathway.

All of the identified pathways include challenging, relevant courses that will lead students toward their future career goals. Additionally, because all students take a “core foundation” of academic courses, career paths overlap enough to allow the flexibility to change paths if interests change. In every pathway, students continue to take the core curriculum courses that provide students with the foundations necessary to enter most Michigan post-secondary institutions.
<table>
<thead>
<tr>
<th>MICHIGAN Career Pathways</th>
<th>US Department of Education Career Clusters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts &amp; Communications</td>
<td>Arts, A/V Technology &amp; Communications</td>
</tr>
<tr>
<td>Health Sciences</td>
<td>Health Science</td>
</tr>
<tr>
<td>Business/Management/Marketing &amp; Technology</td>
<td>Business, Management &amp; Administration</td>
</tr>
<tr>
<td>Engineering, Manufacturing &amp; Technology</td>
<td>Finance</td>
</tr>
<tr>
<td>Human Services</td>
<td>Education &amp; Training</td>
</tr>
<tr>
<td>Natural Resources &amp; Horticulture</td>
<td>Agriculture, Food and Natural Resources</td>
</tr>
</tbody>
</table>
# ARTS and COMMUNICATIONS

## PROFESSIONAL
*(Four or more years of college)*

### Sample Occupations:
- Art Teacher
- Art Director
- Curator
- Journalist

### TECHNICAL
*(Two year degree in skilled trades and/or certifications)*

### Sample Occupations:
- Designer
- News Analyst
- Interior

## Sample Occupations:
- Actor/Actress
- Animator
- Audio Technician
- Illustrator
- Musician
- Painter
- Print Maker
- Press Operator
- Sound Board Operator
- Video Technician

## PROFESSIONAL
*(Four or more years of college)*

### LCPS Career Electives:
- Any Art Elective
- Any English Elective
- Band
- Choir

### TECHNICAL
*(Two year degree in skilled trades and/or certifications)*

### LCPS Career Electives:
- TV Broadcast Media (2)*
- Graphic Arts & Design Technology (2)*
- World Languages (2)

* = Courses offered at the Frederick V. Pankow Center

## HEALTH SCIENCES

## PROFESSIONAL
*(Four or more years of college)*

### Sample Occupations:
- Biomedical Engineer
- Chiropractor
- Dentist
- Dietician
- Health Care Administrator

### TECHNICAL
*(Two year degree in skilled trades and/or certifications)*

### Sample Occupations:
- Podiatrist
- Physician
- Medical Librarian
- Registered Nurse
- Respiratory Therapist
- Paramedic
- Surgical Technician
- Technician
- Transcriptionist
- Veterinary

## PROFESSIONAL
*(Four or more years of college)*

### LCPS Career Electives:
- Business Law & Your Rights
- Health Occupations 1-2 (2)*

### TECHNICAL
*(Two year degree in skilled trades and/or certifications)*

### LCPS Career Electives:
- Medical Assisting
- World Languages (2)

* = Courses offered at the Frederick V. Pankow Center

*# = Number of years the program is intended to be taken
### Finance

<table>
<thead>
<tr>
<th>PROFESSIONAL (Four or more years of college)</th>
<th>TECHNICAL (Two year degree in skilled trades and/or certifications)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Occupations:</strong></td>
<td><strong>Sample Occupations:</strong></td>
</tr>
<tr>
<td>Accountant</td>
<td>Accounts Payable Clerk</td>
</tr>
<tr>
<td>Auditor</td>
<td>Billing Clerk</td>
</tr>
<tr>
<td>Administrative Assistant</td>
<td>Bookkeeper</td>
</tr>
<tr>
<td>Chief Exec Officer</td>
<td>Labor Relations Spec</td>
</tr>
<tr>
<td>Cost Analyst</td>
<td>Loan Processor</td>
</tr>
<tr>
<td>Financial Analyst</td>
<td>Public Relations Spec</td>
</tr>
<tr>
<td>Finance Director</td>
<td>Retail Sales Person</td>
</tr>
<tr>
<td>General Manager</td>
<td>Revenue Agent</td>
</tr>
<tr>
<td>Human Resources Manager</td>
<td>Training/Dev Specialist</td>
</tr>
<tr>
<td>Manager</td>
<td>Word Processor</td>
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<table>
<thead>
<tr>
<th>LCPS Career Electives:</th>
<th>Lyceum Electives:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adv Marketing Strategies</td>
<td>Mkting &amp; Business Operations</td>
</tr>
<tr>
<td>Adv Software Media 2010</td>
<td>Mkting &amp; Retail Mgt (1)*</td>
</tr>
<tr>
<td>Business Law &amp; Your Rights</td>
<td>Partnership Accounting</td>
</tr>
<tr>
<td>Business Management &amp; Technology*</td>
<td>Personal Finance</td>
</tr>
<tr>
<td>International Law</td>
<td>Small Business Accounting</td>
</tr>
<tr>
<td>Marketing Strategies</td>
<td>Software Media 2010</td>
</tr>
<tr>
<td></td>
<td>World Languages (2)*</td>
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</tbody>
</table>

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### Hospitality/Tourism

<table>
<thead>
<tr>
<th>PROFESSIONAL (Two year degree in skilled trades and/or certifications)</th>
<th>TECHNICAL (Four or more years of college)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Occupations:</strong></td>
<td><strong>Sample Occupations:</strong></td>
</tr>
<tr>
<td>Executive Chef</td>
<td>Bartender/Server</td>
</tr>
<tr>
<td>Exhibit Developer</td>
<td>Cook</td>
</tr>
<tr>
<td>General Manager</td>
<td>Event Planner</td>
</tr>
<tr>
<td>Pastry &amp; Specialty Chef</td>
<td>Front Desk Supervisor</td>
</tr>
<tr>
<td>Sales &amp; Marketing Director</td>
<td>Maitre’d</td>
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<tr>
<td></td>
<td>Room Service Attendant</td>
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<tr>
<td></td>
<td>Tour &amp; Ticket</td>
</tr>
<tr>
<td></td>
<td>Reservationist</td>
</tr>
<tr>
<td></td>
<td>Wine Steward</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LCPS Career Electives:</th>
<th>Lyceum Electives:</th>
</tr>
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<tbody>
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<td>Adv Software Media 2010</td>
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<tr>
<td>Business Law &amp; Your Rights</td>
<td>Mkting &amp; Retail Mgt (1)*</td>
</tr>
<tr>
<td>Business Management &amp; Technology*</td>
<td>Partnership Accounting</td>
</tr>
<tr>
<td>Corporate Accounting</td>
<td>Personal Finance</td>
</tr>
<tr>
<td>Culinary Arts (2)*</td>
<td>Small Business Accounting</td>
</tr>
<tr>
<td>Culinary Arts (2)*</td>
<td>Software Media 2010</td>
</tr>
<tr>
<td>Culinary Arts (2)*</td>
<td>Graphic Arts &amp; Design Technology*</td>
</tr>
<tr>
<td>Culinary Arts (2)*</td>
<td>Technology</td>
</tr>
<tr>
<td>Culinary Arts (2)*</td>
<td>Technology (2)*</td>
</tr>
<tr>
<td>Partnership Accounting</td>
<td>World Languages (2)*</td>
</tr>
</tbody>
</table>

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**Information Technology**

<table>
<thead>
<tr>
<th>PROFESSIONAL (Two year degree in skilled trades and/or certifications)</th>
<th>TECHNICAL (Four or more years of college)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Occupations:</strong></td>
<td><strong>Sample Occupations:</strong></td>
</tr>
<tr>
<td>Computer Programmer</td>
<td>3D Animator</td>
</tr>
<tr>
<td>Data Analyst</td>
<td>Help Desk Specialist</td>
</tr>
<tr>
<td>Database Administrator</td>
<td>PC Support Specialist</td>
</tr>
<tr>
<td>Enterprise Systems</td>
<td>Technical Writer</td>
</tr>
<tr>
<td>Engineer</td>
<td>Virtual Reality Specialist</td>
</tr>
<tr>
<td>Instructional Designer</td>
<td>Web Dev Specialist</td>
</tr>
<tr>
<td>Network Administrator</td>
<td>Web Master/Designer</td>
</tr>
<tr>
<td>Operating System Engineer</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>LCPS Career Electives:</th>
<th>LCPS Career Electives:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adv Software Media 2010</td>
<td>Adv Software Media 2010</td>
</tr>
<tr>
<td>Business Management &amp; Technology*</td>
<td>Business Management &amp; Technology*</td>
</tr>
<tr>
<td>Modular Technology</td>
<td>Modular Technology</td>
</tr>
<tr>
<td>Network Admin (2)*</td>
<td>Network Admin (2)*</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Programming (2)*</td>
<td></td>
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<tr>
<td>Software Media 2010</td>
<td>Visual Image Tech (2)*</td>
</tr>
<tr>
<td>Visual Image Tech (2)*</td>
<td>Web Design (2)*</td>
</tr>
<tr>
<td>World Languages (2)</td>
<td>World Languages (2)</td>
</tr>
</tbody>
</table>

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**Marketing, Sales and Service**

<table>
<thead>
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<th>TECHNICAL (Four or more years of college)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Occupations:</strong></td>
<td><strong>Sample Occupations:</strong></td>
</tr>
<tr>
<td>Account Executive</td>
<td>Clerk</td>
</tr>
<tr>
<td>Brand Manager</td>
<td>Department Manager</td>
</tr>
<tr>
<td>Broker</td>
<td>Entrepreneur</td>
</tr>
<tr>
<td>Creative Manager</td>
<td>Research Specialist</td>
</tr>
<tr>
<td>Dir of Market Development</td>
<td>Sales Executive</td>
</tr>
<tr>
<td>Store Manager</td>
<td>Marketing Coordinator</td>
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<tr>
<td>Distribution Coordinator</td>
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<tr>
<td>Public Relations Manager</td>
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<td></td>
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<tr>
<td>Creative Writing or Speech</td>
<td></td>
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<tr>
<td>International Business Marketing Strategies</td>
<td></td>
</tr>
<tr>
<td>Mrkt &amp; Business Oper</td>
<td>Mrkt &amp; Business Oper</td>
</tr>
<tr>
<td>Mrkt &amp; Retail Mgt (2)*</td>
<td>Mrkt &amp; Retail Mgt (2)*</td>
</tr>
<tr>
<td>Partnership Accounting</td>
<td>Partnership Accounting</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Personal Finance</td>
</tr>
<tr>
<td>Small Business Accounting</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Software/Adv Media Mgt</td>
<td>Small Business</td>
</tr>
<tr>
<td>Visual Image Tech (2)*</td>
<td>Accounting</td>
</tr>
<tr>
<td>Web Design (2)*</td>
<td>Software/Adv Media Mgt</td>
</tr>
<tr>
<td>World Languages (2)</td>
<td>Speech</td>
</tr>
<tr>
<td>Visual Image Tech (2)*</td>
<td>Visual Image Tech (2)*</td>
</tr>
<tr>
<td>Web Design (2)*</td>
<td>World Languages (2)*</td>
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<tr>
<td>World Languages (2)</td>
<td>World Languages (2)*</td>
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</table>

* = Courses offered at the Frederick V. Pankow Center

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# = Number of years the program is intended to be taken
## Professional (Four or more years of college)

<table>
<thead>
<tr>
<th>Sample Occupations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architect</td>
</tr>
<tr>
<td>Biologist</td>
</tr>
<tr>
<td>Civil/Transportation</td>
</tr>
<tr>
<td>Engineer</td>
</tr>
<tr>
<td>Computer Information</td>
</tr>
<tr>
<td>Systems Management</td>
</tr>
<tr>
<td>Construction Science</td>
</tr>
<tr>
<td>Safety</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Automotive</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Chemical</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Civil/Environ</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Computer</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Electrical</td>
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<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Industrial</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Mechanical</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample Occupations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering: Mining</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Physicist</td>
</tr>
<tr>
<td>Engineering:</td>
</tr>
<tr>
<td>Statistician</td>
</tr>
<tr>
<td>Flight Engineers</td>
</tr>
<tr>
<td>Industrial Engineers</td>
</tr>
<tr>
<td>Industrial/Packaging</td>
</tr>
<tr>
<td>Engineers</td>
</tr>
<tr>
<td>Job/Fixture Designers</td>
</tr>
<tr>
<td>Labor Relations</td>
</tr>
<tr>
<td>Managers</td>
</tr>
<tr>
<td>Logistic/Logistics</td>
</tr>
<tr>
<td>Pilot</td>
</tr>
<tr>
<td>Production Managers</td>
</tr>
<tr>
<td>Quality Engineers</td>
</tr>
<tr>
<td>Regional Planners</td>
</tr>
<tr>
<td>Ship and Boat Captains</td>
</tr>
<tr>
<td>Urban Planner</td>
</tr>
</tbody>
</table>

## Technical (Two year degree in skilled trades and/or certifications)

<table>
<thead>
<tr>
<th>Sample Occupations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Traffic Controllers</td>
</tr>
<tr>
<td>Auto Technician</td>
</tr>
<tr>
<td>Carpenter</td>
</tr>
<tr>
<td>Computer Aided Drafter</td>
</tr>
<tr>
<td>(CAD)</td>
</tr>
<tr>
<td>Computer Installers</td>
</tr>
<tr>
<td>Computer Repairers</td>
</tr>
<tr>
<td>Computer Technician</td>
</tr>
<tr>
<td>Electrician</td>
</tr>
<tr>
<td>Engineering Technician</td>
</tr>
<tr>
<td>Equipment Operator</td>
</tr>
<tr>
<td>General Contractor</td>
</tr>
<tr>
<td>Heavy Equipment Operators</td>
</tr>
<tr>
<td>Industrial Equipment</td>
</tr>
<tr>
<td>Mechanics</td>
</tr>
<tr>
<td>Instrument Control Tech</td>
</tr>
<tr>
<td>Lab Technician</td>
</tr>
<tr>
<td>Machine Operators</td>
</tr>
<tr>
<td>Millwright</td>
</tr>
<tr>
<td>Process Improvement</td>
</tr>
<tr>
<td>Sales</td>
</tr>
<tr>
<td>Representatives/Managers</td>
</tr>
<tr>
<td>Surveyor</td>
</tr>
<tr>
<td>Tool and Die Makers</td>
</tr>
<tr>
<td>Truck and Bus Drivers</td>
</tr>
</tbody>
</table>

## Career Electives:

<table>
<thead>
<tr>
<th>Professional Electives:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Coll. &amp; Refinish (2)*</td>
</tr>
<tr>
<td>Automotive Tech (2)*</td>
</tr>
<tr>
<td>Business Law &amp; Your Rights</td>
</tr>
<tr>
<td>CAD/Drafting (2)*</td>
</tr>
<tr>
<td>Construction Tech (2)*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical Electives:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Coll. &amp; Refinish (2)</td>
</tr>
<tr>
<td>Automotive Tech (2)*</td>
</tr>
<tr>
<td>Business Law &amp; Your Rights</td>
</tr>
<tr>
<td>CAD/Drafting (2)*</td>
</tr>
</tbody>
</table>

* = Courses offered at the Frederick V. Pankow Center

(#) = Number of years the program is intended to be taken
### HUMAN SERVICES

#### Education

<table>
<thead>
<tr>
<th>PROFESSIONAL</th>
<th>TECHNICAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Occupations:</strong></td>
<td><strong>Sample Occupations:</strong></td>
</tr>
<tr>
<td>Benefits Representative</td>
<td>Coordinator of Volunteers</td>
</tr>
<tr>
<td>Childcare Facilities Director</td>
<td>Barber/Cosmetologist</td>
</tr>
<tr>
<td>Counselor</td>
<td>Child Life Specialist</td>
</tr>
<tr>
<td>Funeral Director</td>
<td>Childcare Worker</td>
</tr>
<tr>
<td>Human Resource Trainer</td>
<td>Coach</td>
</tr>
<tr>
<td><strong>Instructional Designer</strong></td>
<td><strong>Principal</strong></td>
</tr>
<tr>
<td><strong>Teacher</strong></td>
<td><strong>Social Worker</strong></td>
</tr>
<tr>
<td><strong>Speech Pathologist</strong></td>
<td><strong>Speech Pathologist</strong></td>
</tr>
</tbody>
</table>

#### Sample Occupations:

**Professional (Four or more years of college)**
- Benefits Representative
- Childcare Facilities Director
- Counselor
- Funeral Director
- Human Resource Trainer

**Instructional Designer**

**Principal**

**Teacher**

**Social Worker**

**Speech Pathologist**

**Sample Occupations: (Two year degree in skilled trades and/or certifications)**
- Adult Day Care Worker
- Barber/Cosmetologist
- Child Life Specialist
- Childcare Worker
- Coach

**Coordinator of Volunteers**

**Nanny**

**Personal Trainer**

**Teacher’s Assistant**

#### LCPS Career Electives:

**Professional (Four or more years of college)**
- Adv Software Media 2010
- Band
- Child Development (1)
- Choir
- Corporate Accounting
- Early Childhood Education*
- Foods & Nutrition
- Human Growth & Development

**Technical (Two year degree in skilled trades and/or certifications)**
- Partnership Accounting
- Physical Education
- Psychology
- Small Business Accounting
- Software Media 2010 Speech
- Teacher Cadet*
- World Languages (2)*

* = Courses offered at the Frederick V. Pankow Center

(#)= Number of years the program is intended to be taken

### Government & Public Administration

#### Education

<table>
<thead>
<tr>
<th>PROFESSIONAL</th>
<th>TECHNICAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Occupations:</strong></td>
<td><strong>Sample Occupations:</strong></td>
</tr>
<tr>
<td>Ambassador</td>
<td>Border Patrol Officer</td>
</tr>
<tr>
<td>Assessor</td>
<td>City/County Clerk</td>
</tr>
<tr>
<td>Case Manager</td>
<td>Dispatcher</td>
</tr>
<tr>
<td>City Manager</td>
<td>Fire Fighter</td>
</tr>
<tr>
<td>Cryptographer</td>
<td>Lobbyist</td>
</tr>
<tr>
<td>Economic Dev Specialist</td>
<td><strong>Military Officer</strong></td>
</tr>
<tr>
<td><strong>Emergency Planning Manager</strong></td>
<td><strong>Military Service Person</strong></td>
</tr>
<tr>
<td><strong>Politician</strong></td>
<td><strong>National Security</strong></td>
</tr>
<tr>
<td><strong>Private Corp Investigator</strong></td>
<td><strong>Police Officer</strong></td>
</tr>
<tr>
<td><strong>Security Systems Designer</strong></td>
<td><strong>Probation/Parole Officer</strong></td>
</tr>
</tbody>
</table>

**Sample Occupations:**
- Ambassador
- Assessor
- Case Manager
- City Manager
- Cryptographer
- Economic Dev Specialist

**Emergency Planning Manager**

**Politician**

**Private Corp Investigator**

**Security Systems Designer**

#### LCPS Career Electives:

**Professional (Four or more years of college)**
- Accounting
- AP US Gov’t Business Law & Your Rights
- Criminal Justice (2)*
- Physical Education
- Practical Law 1 & 2

**Psychology**

**Sociology**

**Software Media 2010. Speech**

**World History**

**World Languages (2)***

**Professional (Four more years of college)**
- Accounting
- AP US Gov’t Business Law & Your Rights
- Criminal Justice (2)*
- Physical Education
- Practical Law 1 & 2

**Psychology**

**Sociology**

**Software Media 2010. Speech**

**World History**

**World Languages (2)***

* = Courses offered at the Frederick V. Pankow Center

(#)= Number of years the program is intended to be taken
## Natural Resources & Horticulture

### Professional (Four or more years of college)

<table>
<thead>
<tr>
<th>Sample Occupations:</th>
<th>Golf Course</th>
<th>Superintendent</th>
<th>Plant Geneticist</th>
<th>Toxicologist</th>
<th>Veterinarian</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Geneticist</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bacteriologist</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biochemist</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Botanist</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish and Game Officer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Food Scientist</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Technical (Two year degree in skilled trades and/or certifications)

<table>
<thead>
<tr>
<th>Sample Occupations:</th>
<th>Park Manager</th>
<th>Poultry Manager</th>
<th>Recycling Technician</th>
<th>Welder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed Sales Rep</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fisheries Technician</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greenhouse Manager</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Livestock Buyer/Seller</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Machinist</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### LCPS Career Electives:

- Adv Marketing Strategies
- Adv Software Media 2010
- AIS Heavy Equipt (2)*
- Business Law & Your Rights
- Horticulture Science (2)*

- Mkting & Retail Mgt (2)*
- Marketing Strategies
- Physical Education
- Science Electives
- Software Media 2010
- World Language (2)

- Mkting & Retail Mgt (2)*
- Marketing Strategies
- Physical Education
- Science Electives
- Software Media 2010
- World Language
- Food Science*

---

* = Courses offered at the Frederick V. Pankow Center

( ) = Number of years the program is intended to be taken
<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Credit hours</th>
<th>Ninth Grade</th>
<th>Tenth Grade</th>
<th>Eleventh Grade</th>
<th>Twelfth Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1st Semester (0.5 credit/class)</td>
<td>2nd Semester (0.5 credit/class)</td>
<td>1st Semester (0.5 credit/class)</td>
<td>2nd Semester (0.5 credit/class)</td>
</tr>
<tr>
<td>English</td>
<td>4</td>
<td>English 9</td>
<td>English 9</td>
<td>English 10</td>
<td>English 11</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>Science</td>
<td>Science</td>
<td>Science</td>
<td>Science</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
<td>U. S. History</td>
<td>U. S. History</td>
<td>Government</td>
<td>Economics</td>
</tr>
<tr>
<td>Physical Education</td>
<td>0.5</td>
<td>Physical Education</td>
<td>Physical Education</td>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Health</td>
<td>0.5</td>
<td>Health</td>
<td>Health</td>
<td>Health</td>
<td>Health</td>
</tr>
<tr>
<td>World Language</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>See chart on page 23</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td>22</td>
<td>6 credits possible</td>
<td>6 credits possible</td>
<td>6 credits possible</td>
<td>6 credits possible</td>
</tr>
</tbody>
</table>

**Community Service**

- **40 Hours**

**Michigan Merit Exam**

- All students must take the MME in order to graduate.
- All students will take the PSAT8/9 test in preparation for the MME.
- Students may take the PLAN or PSAT test during their sophomore year for the purpose of qualifying for dual enrollment.
- The SAT portion of the Michigan Merit Exam must be taken in the spring of the junior year. Students receive ¼ credit for taking the MME and ¼ credit for achieving a level of Advanced or Proficient.

---

= required classes

= elective courses

---

6 Period day
PART III
DISTRICT POLICIES and PROCEDURES
L’Anse Creuse High Schools are four-year schools.
Each year is divided into two semesters.
Students enroll for six periods of classes each semester.
Each class period per semester successfully completed equals 0.5 credit.
A student earns 3.0 credits per semester and six credits per school year.
Students must have a minimum number of credits for graduation. (See the chart on page 23 for details by graduation year).
One credit of mathematics must be taken during student's final year of high school per Michigan law.
Students are required to complete four years of attendance in order to graduate.
Students must complete 40 hours of Community Service Learning before May 1st of their senior year.
All students must take all sections of the Michigan Merit Exam in order to graduate.

Student Responsibility for Graduation Requirements
As you plan your high school program, you should recognize that the courses you take will have a major effect on the college and career choices that will be open to you following graduation. If you plan to attend college, your chance for admission to and success in particular programs will improve if you have a strong educational background. During your high school years you will most likely try a variety of subject areas. This is good, and should be encouraged, because it is important to use your time in high school to explore the full range of options that are available. In doing so, you will learn a great deal about your abilities and preferences.

Because courses in certain areas are related to each other and increase in complexity from year to year, the courses you take in ninth grade will have a significant impact on the courses that you will take in subsequent years, perhaps even those courses taken in college. It is extremely important that you think carefully about the courses you select as you begin high school. At times, it may be tempting to avoid some of the “hard” courses, but you will find it easier to push yourself now rather than make up deficiencies later.

Math Related Courses
All students are required to take four credits of mathematics for graduation. The State of Michigan requires Algebra 1, Geometry and Algebra 2 as three of the four credits. Students have the option of taking Algebra 2 over two years to count for two credits. Students also have the option of taking a “math-related” course as their fourth mathematics credit. Many of the courses we offer at the Pankow Center count as a math-related credit. Other courses at LCHS and LCHS-N also count as math-related even if they are not in the Mathematics Department. As you select classes, please check the chart on page 77 for Math Related courses that may count as the fourth math credit needed for graduation.

Science Related Courses
All students are required to take 3 credits of science for graduation. The State of Michigan requires Biology, along with Physics or Chemistry, as two of the three credits. Students also have the option of taking a “science-related” course as their 3rd science credit. As you select classes, please check the chart on page 77 for Science Related courses that may count as the third science credit needed for graduation.
## L’Anse Creuse Public Schools
### High School Graduation Requirements
#### 2016 - 2017 School Year
Includes credit differences per alternative high school schedule

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits per grade level</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
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</thead>
<tbody>
<tr>
<td><strong>Class of 2023</strong></td>
<td></td>
<td>Class of 2022</td>
<td>Class of 2021</td>
<td>Class of 2020</td>
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<tr>
<td>English</td>
<td></td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Social Studies**</td>
<td></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education*</td>
<td></td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
</tr>
<tr>
<td>Health</td>
<td></td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
</tr>
<tr>
<td>Visual/Performing Arts</td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>World Language</td>
<td></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>On-line Experience</td>
<td></td>
<td>40 hours</td>
<td>40 hours</td>
<td>40 hours</td>
<td>40 hours</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Community Service</td>
<td></td>
<td>40 hours</td>
<td>40 hours</td>
<td>40 hours</td>
<td>40 hours</td>
</tr>
<tr>
<td>Total Credit Possible</td>
<td></td>
<td>24</td>
<td>24</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Total Required for Graduation</td>
<td></td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
</tr>
</tbody>
</table>

(*) Students participating in Marching Band may have one-quarter (1/4) credit of Physical Education waived for each semester of Marching Band successfully completed. Students need to take the Health credit course in addition to Marching Band, per State of Michigan legislation. PA Dance may also be substituted for one-half (1/2) credit of Physical Education.

(**) Students are required to take courses in US History, World History, Government and Integrated Social Studies (Economics), per State of Michigan legislation.
The state universities of Michigan have adopted specific requirements for students who graduate from high school and who wish to enter any of the 15 public universities. The new statement is an outgrowth of an initiative begun over six years ago to improve academic preparation of students seeking admission to a state university.

The state universities have agreed that to be eligible for regular admission to a four-year degree program, a high school student must successfully complete the following course requirements:

- **English** – 4 years required
- **Mathematics** – 3 years required, including intermediate algebra; 4 years strongly recommended
- **Sciences** – 2 years required:
  - 3 years strongly recommended to include:
    - 1 year of biological science and
    - 1 year of physical science
  - at least 1 year of laboratory course is strongly recommended
- **History and Social Sciences** – 3 years required
  - 1 year of American History required
  - 1 year of World History strongly recommended

Prospective students are also encouraged to complete courses in the following areas:

- **World Language** – 3 years strongly recommended
- **Fine and Performing Arts** – 2 years strongly recommended
- **Computer Literacy** – 1 year hands-on experience strongly recommended

The universities recognize that, for a variety of reasons, some students may not be able to complete all of the requirements. In such circumstances, students may still be considered for admission and, therefore, are encouraged to apply to the university of their choice. In all instances, each university has final authority for admissions decisions based on the level of achievement required and other indicators of potential for academic success.

Students are encouraged to make the best use of courses that are offered at their high school. By doing so, they are more likely to develop the competencies and skills that are essential for academic success and, at the same time, have greater control over their choice of college and career options. It is highly recommended that students visit college web sites to see their recommended high school course sequence.
WAYS TO EARN COLLEGE CREDIT

The need for higher education has never been more important. Our Governor wants to increase the number of residents aged 16-64 with a post-secondary credential to 60%, up from 44% of the workforce as of 2016. The Governor believes the state's economic future is directly tied to high quality education. Back in 1955, a high school education was good enough to raise a family and afford a comfortable life. Fifty years later, we are now in a global economy, competing not just against other Americans for jobs, but competing with workers from around the world. Most experts agree that at least two years of education beyond high school should be considered for every person who hopes to occupy a job that pays a wage that will comfortably cover normal living expenses. All L'Anse Creuse Public School students are encouraged to attend at least two years of post-high school education.

Additionally, there are several ways students can begin to earn college credits while still in high school:

- **AP Exam**
  
  The College Board provides examinations in the spring of each year that may be taken by students who complete AP Courses. If the student scores well enough on the exam, he or she may earn credit. The number of credits and the area in which they are granted varies depending on the college. Students who are interested in pursuing this route should enroll in the most rigorous program of study beginning their freshman year.

- **College Level Examination Program (CLEP)**
  
  CLEP provides opportunities for any competent and serious student who is trying to earn college credit by taking an exam. There are a number of different CLEP exams offered throughout the year in various locations. If you are interested, you should enroll in the most rigorous program available, and you should see your counselor for CLEP opportunities in this area. CLEP exams must be taken before the student enters college. Students do NOT need to have taken an AP course.

- **Dual Enrollment**
  
  Dual enrollment is when students are enrolled in high school and college classes simultaneously. Under certain circumstances, juniors and seniors may be eligible for some tuition credit through the district’s dual enrollment program. Prior to their junior year, students will receive a letter describing the conditions. In addition, a few very capable students with qualifying grade point averages and letters of recommendation may earn college tuition scholarships through Macomb Community College. Counselors initiate this process in the spring of each year for the qualifying juniors and seniors. See the following page for additional information regarding dual enrollment.

- **Online (virtual) College Courses**
  
  Students have an opportunity to take college classes online for credit. Online classes can be used to take advanced courses, courses not currently offered in the high school curriculum, and in some cases, courses to recover lost credits. These classes may be used for credit toward graduation. However, it will be at the discretion of each individual college or university as to whether the courses will be accepted as part of a student’s transcript. Students are responsible for the cost of texts and course materials. Administrative approval must be obtained before enrolling in virtual courses, and tuition costs may be the responsibility of the student. Contact a school counselor for more information.

- **Middle/Early College**
DUAL ENROLLMENT

In an effort to meet students’ needs and interests, school districts have historically allowed their students to take courses at local colleges or universities in addition to their own high school. This is called “dual enrollment.”

The State Aid School Act contains a provision that directs school districts to assist students in the paying of tuition and fees for courses at Michigan public or private colleges or universities, if all of the following conditions are met:

1. **Academic Dual Enrollment**: To participate in dual enrollment, a student is eligible in the areas in which he/she has successfully completed the required standardized test with a qualifying score.

2. **Career & Technical Dual Enrollment**: To participate in dual enrollment in a Career and Technical Education area, a student must have achieved endorsement in all student areas of the High School MME or have achieved endorsement in mathematics along with a qualifying score on a nationally or industry recognized job skills assessment test as determined by the Department of Career Development.

3. Juniors and seniors who scored a 3 or 4 on the MME are eligible for dual enrollment courses in the content areas if the requested courses are not offered through L’Anse Creuse.

4. A student requesting to take an academic course in an area that is not tested by the MME (ex. foreign language, computers, fine arts) must have taken all parts of the MME in order to qualify. Again, only courses not offered through L’Anse Creuse are eligible for tuition payment.

5. Students must be enrolled in both the school district and a post-secondary institution during the local school district’s regular academic year.

6. The college courses must be academic courses as opposed to “activity courses” and must be courses not offered by the district. Dual enrollment is only offered once per course. Students may retake courses at their own expense. Summer courses do not qualify for financial support.

7. Underclassmen who might be interested in taking advantage of this opportunity as a junior or a senior need to plan appropriate course work.

8. Students meeting the above criteria and who wish to participate must apply to the college for admission. Proof of admission must be submitted along with a L’Anse Creuse dual enrollment application to the Assistant Superintendent for Curriculum and Instruction. Applications are available from your high school counselor. L’Anse Creuse will not pay toward a class unless it is pre-approved.
In this program:
1. Students must provide their own transportation to and from the college.
2. Students may have books paid for if money is left over from allowance.
3. Eligible students can take up to three classes per semester; however, students must reduce their high school class load by one high school class for each class they take in college.
4. Summer courses do not qualify.
5. Students will receive ½ high school credit per college course passed.
6. If a student drops a course beyond the time during which the postsecondary institution will refund the school district, the student is responsible for repaying the school district for the course.

Proper planning needs to be done so that all of this can be completed before the scheduled enrollment periods at the college. Your high school counselor can be very helpful to you in this process. A student who does not meet the above criteria may still be eligible for enrollment at the college but he/she will have to pay the entire cost of tuition and fees.
**NCAA FRESHMEN-ELIGIBILITY STANDARDS**

NCAA ELIGIBILITY CENTER CONTACT INFORMATION

http://web1.ncaa.org/eligibilitycentercommon/
Toll Free - 877.262.1492

For a list of approved core courses visit:
http://web1.ncaa.org/eligibilitycentercommon/
Click on: High School Administration
Click on: View Core-Course List
School Codes: HSN-232653 or LCHS-232654

**DIVISION 1 ATHLETICS:** A core class grade point average and sliding test score scale is used

<table>
<thead>
<tr>
<th>Core GPA</th>
<th>SAT Index</th>
<th>ACT Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.55 &amp; Up</td>
<td>400</td>
<td>37</td>
</tr>
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<td>3.525</td>
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<td>47</td>
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<tr>
<td>3.150</td>
<td>560</td>
<td>48</td>
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<table>
<thead>
<tr>
<th>Core GPA</th>
<th>SAT Index</th>
<th>ACT Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.125</td>
<td>570</td>
<td>49</td>
</tr>
<tr>
<td>3.100</td>
<td>580</td>
<td>49</td>
</tr>
<tr>
<td>3.075</td>
<td>590</td>
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<td>600</td>
<td>50</td>
</tr>
<tr>
<td>3.025</td>
<td>610</td>
<td>51</td>
</tr>
<tr>
<td>3.000</td>
<td>620</td>
<td>52</td>
</tr>
<tr>
<td>2.975</td>
<td>630</td>
<td>52</td>
</tr>
<tr>
<td>2.950</td>
<td>640</td>
<td>53</td>
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<tr>
<td>2.925</td>
<td>650</td>
<td>53</td>
</tr>
<tr>
<td>2.900</td>
<td>660</td>
<td>54</td>
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<tr>
<td>2.875</td>
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<td>55</td>
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<td>2.850</td>
<td>680</td>
<td>56</td>
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<td>2.825</td>
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<td>56</td>
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<td>2.800</td>
<td>700</td>
<td>57</td>
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<tr>
<td>2.775</td>
<td>710</td>
<td>58</td>
</tr>
<tr>
<td>2.750</td>
<td>720</td>
<td>59</td>
</tr>
<tr>
<td>2.725</td>
<td>730</td>
<td>59</td>
</tr>
</tbody>
</table>

The SAT Index that is used by NCAA includes only 2 sections: critical reading and math
The ACT Index is the sum of the 4 sections on the ACT: English, math, science and reading
ACT and/or SAT scores must be reported directly to the eligibility center from the testing agency

**Division II:** There is no sliding scale. The minimum core grade-point average is 2.00. The minimum SAT score is 820 and minimum ACT sum score is 68
Progress Reports and Report Cards
The grading system in L’Anse Creuse is a standard A/B/C/D/F scale. The school year is divided into two 20-week semesters, and each semester is divided into two 10-week marking periods.

- “Mid-marking” refers to the five week mark into each marking period. Progress reports are distributed at Parent/Teacher Conferences- when applicable in October and March – and are available on the Parent Portal at this time to indicate student progress. Teachers will provide a grade range at this time.
- At the end of the first 10-week marking period of each semester, grades will be available on the Parent Portal, and sent to parents through SchoolMessenger, showing progress in individual classes, including a letter grade. A student’s grade represents all work done in connection with a class, including class participation, attendance and punctuality, homework assignments and projects, quizzes and tests, and laboratory experiences.
- At the end of the second 10-week marking period of each semester (January and June), the report card shows the marking period grade as well as the final semester grade for each course. This final semester grade represents the student’s overall performance for the course and is calculated based on the two 10-week marking period grades, as well as the final exam given in each course. Semester report cards will be available on the Parent Portal and also sent to parents through SchoolMessenger. **Note that this final grade is the only grade that will appear on a student’s permanent transcript.**

Incomplete Grades
An “I” will be given to a student who, due to extenuating circumstances, has unfinished work after the end of a marking period. It is the student’s responsibility to make necessary arrangements with teachers to complete any work that is incomplete. Grade changes will be done by the teacher through the counseling office. Exceptions to this policy may be permissible only in instances of prolonged illness, and a written plan must be approved by the principal prior to the end of a 10 day period.

Failing Grades
If a student has received a failing grade as a final semester grade, this grade is recorded on the permanent record with no credit given for the class. If the class failed is a required course (such as US History), then it must be repeated. If a student fails an elective course, he or she may choose to repeat the class or substitute another course in its place.

Weighted Grading
In order to provide challenging college preparatory programs for students who desire greater depth and an accelerated pace in certain content areas, L’Anse Creuse Public Schools offers a number of AP courses. In recognition of the rigorous academic standard that AP courses represent, a student may add 0.5 point per course taken when calculating their overall grade point averages on the four point scale. Obviously, because of this additional weighting, a student’s overall GPA and ranking in the graduating class will be affected by enrolling in and successfully completing AP coursework. See the section at the end of “Departmental Course Offerings” for a list of all AP courses offered through L’Anse Creuse Public Schools. Also, each course is described within the specific appropriate departmental listing.
Testing Out
- The Board of Education recognizes the need to provide alternative means by which students achieve the goals of the district.
- Any high school student who wishes to test out of a course in which he or she is not enrolled may do so by taking a comprehensive examination, or series of smaller examinations, for the course and receiving a grade of at least C+; or by demonstrating mastery of the subject matter as determined by the assessment used in lieu of a comprehensive examination.
- Credit for a course earned by a student through this process may be used to fulfill a course or course-sequence requirement, and may be counted toward the required number of credits for graduation. The grade on the assessment will not be used to determine the student’s GPA.
- Testing out examinations typically occur prior to the first semester and in the month of January, prior to the second semester. Students who wish to test out of a course must make their intentions known six weeks before the end of the current semester. Students interested in pursuing the testing out option for the upcoming school year should see a counselor to be apprised of deadlines for applications. Students must use the district examination for the course.

Transfer Student Requirements
A student transferring to the L’Anse Creuse district must satisfy all requirements for graduation as specified by the L’Anse Creuse Board of Education. Comparable coursework taken at a previous school will be evaluated, and appropriate credit will be applied toward the L’Anse Creuse requirement.

Calculating Grade Point Averages.
The 4.0 grade point average is calculated by (1) assigning the following points to each student’s letter grade:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>12</td>
</tr>
<tr>
<td>A</td>
<td>12</td>
</tr>
<tr>
<td>A-</td>
<td>11</td>
</tr>
<tr>
<td>B+</td>
<td>10</td>
</tr>
<tr>
<td>B</td>
<td>9</td>
</tr>
<tr>
<td>B-</td>
<td>8</td>
</tr>
<tr>
<td>C+</td>
<td>7</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>C-</td>
<td>5</td>
</tr>
<tr>
<td>D+</td>
<td>4</td>
</tr>
<tr>
<td>D</td>
<td>3</td>
</tr>
<tr>
<td>D-</td>
<td>2</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>

(2) Add the total number of points warranted for each grade on the report card and divide that by the total number of grades given.
(3) Divide that figure by 3 to arrive at a GPA on the four point scale. An example of this follows:

(1)  
<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>12</td>
</tr>
<tr>
<td>B</td>
<td>9</td>
</tr>
<tr>
<td>C+</td>
<td>7</td>
</tr>
<tr>
<td>B</td>
<td>9</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>B-</td>
<td>8</td>
</tr>
<tr>
<td>B+</td>
<td>10</td>
</tr>
<tr>
<td>Total Points</td>
<td>61</td>
</tr>
</tbody>
</table>

(2) $61 \div 7 = 8.7$

(3) $8.7 + 3 = 2.90$

This student has a GPA of 2.90
Any senior who has at least a 3.0 overall GPA and is earning at least a B in all courses is eligible to submit a proposal for a Senior Honors Project. Students who have their proposals accepted must continue to carry at least a B in all courses to be able to participate in the Senior Honors Project.

Interested students would begin in January to plan their Senior Honors Project and complete documents that must be provided according to the timeline. Seniors doing a project will be released from school at the beginning of May to work on their project. Work continues throughout the month of May, and the commitment to the project is 30 hours per week for three weeks. No pay can be accepted by the student for this experience.

A student who plans and executes a successful Senior Honors Project from the experience in many ways, including:

- Gaining valuable references for the future
- Interacting in an adult world
- Presenting oneself in an interview situation
- Expressing ideas clearly and succinctly
- Exploring a career field to gain insights into the nature of the work
- Experiencing great personal satisfaction in organizing and completing a project successfully

See your counselor if you are interested in participating in the Senior Honors Project program.
Community Service Learning offers students experiences, which may provide:

- Application of classroom learning
- Awareness of career opportunities
- Understanding of his/her role in society (civic responsibility)

**Community service is service without pay to a non-profit agency/organization, an individual, or a group in need.**

1. Students must complete 40 hours of service and a reflection questionnaire, before May 1st of their senior year. Service may begin the summer prior to a student’s freshman year.

2. For students enrolled after the first semester of their freshman year, the requirement will be prorated to equal five hours times the number of semesters enrolled in L’Anse Creuse Public Schools.

3. Service must be performed outside of school hours.

4. All community service must be pre-approved by the Community Service Learning Coordinator.

5. Childcare/babysitting count only when done for a non-profit organization.

6. Helping family members is done out of love and is not considered community service.

L’Anse Creuse Public Schools, for many years, has had Board of Education approved criteria for what type of service counts as community service for graduation. Unless any future State of Michigan requirement exceeds L’Anse Creuse Public Schools requirements we will continue to use the six criteria above. Students transferring to L’Anse Creuse Public Schools with previous community service hours earned will be subject to the requirements listed in criteria #2.

**STUDENT REFLECTIONS**

**Application of Lessons:**

“From doing Community Service I have learned how important it is to give back to people around you. I have also learned the impact that an individual can have in others’ lives.”  **Blake**

“I felt humble after participating in the Community Service activities. Everyone’s struggles are different. Community Service really made me thankful for the things I have. I have learned how to look at situations with a different perspective.”  **Mariah**

**Career Awareness:**

“I have learned that going out of your comfort zone can open so many opportunities. Community Service has helped me make some long term decisions about what I want to do with my life; I want to work in elementary education.”  **Taylor**

**Civic Responsibility:**

“By doing Community Service I have learned that I can make a difference in my community. I’ve learned I enjoy working with children, which has increased my interest in becoming a child psychologist.”  **Evan**

“I have learned that the community does like it when high school students are involved. The simplest actions can make a community better. Community Service helped me decide my career choice of being a dietician. I want to help people feel good about themselves.”  **Marisa**
Important tests, some of them required and some of them optional, are given throughout the year. Please check with your counselor for specific times, dates, locations and costs of any tests you wish to take.

**MEAP Social Studies**

**PSAT 8/9**
- Taken by all freshmen during school hours.

**PSAT 10**
- Taken by all sophomores during school hours.

**PSAT/NMSAT (Practice SAT)**
- Target group is college-bound sophomores.
- There is a charge for taking this test.
- Sign up in the Counseling Office.

**MME (Michigan Merit Exam)**
- The MME consists of many parts including the SAT with writing, Work Keys assessment, MEAP Science test and MEAP Social Studies test.
- Taken by ALL juniors during school hours.
- Dates are determined by the State of Michigan (typically given in the spring).
- There is no charge for taking this test.
- Subject areas include Mathematics, Science, Reading, Writing, and Social Studies.
- Scholarships may be awarded for those students who meet the requirements (based on legislative action).
- Retake dates are determined by the State of Michigan.

**SAT Tests**
- SAT with writing is part of the MME taken by Juniors.
- Additional testing dates are scheduled throughout the year at various locations.
- The SAT test is a college entrance examination.
- See your counselor for registration and fee schedule.

**AP (AP) Examinations**
- Target group is juniors and seniors enrolled in AP courses.
- Dates and times are determined by the College Board.
- Fees are determined by the College Board (typically about $80 per test).
- College credit is determined by exam score and individual colleges and universities.
COURSE SELECTION

THE IMPORTANCE OF COURSE SELECTION

During the second semester of each school year, many plans and procedures are instituted in preparation for the following year. Scheduling during second semester is of the greatest importance, and there are far-reaching implications into the future. Student selections help determine the number of classes offered and the number of students enrolled in each course, the number of teachers who may need to be hired, and budget allocations.

Careful planning must be exercised by both parents and students prior to making course selections.

Students are encouraged to carefully plan their coursework with the aid of their parents, counselors and teachers, and to carefully review this booklet. Students should also consult with their counselor or teachers regarding special circumstances or concerns to make appropriate final selections. Once courses are submitted, the selected course constitutes the basis for further district planning. (i.e. staffing of buildings, class sizes, etc.). For this reason, changing classes at a later date becomes difficult.

!!!CHANGING CLASSES!!!

COURSE SELECTION CHANGES WILL BE LIMITED TO THE FOLLOWING:

- Incomplete schedules (less than the required 6 hours)
- Conflicts (two classes meeting the same hour)
- Misplacements and/or repeated classes
- Failures or changes due to Summer School completions
- Adjustments to Externship Programs
- Administrative request

Changes MUST be completed by the end of the SECOND WEEK of each semester
“Imagination is more important than knowledge”

The Art Departments at L’Anse Creuse High School, High School – North, and Pankow offer a rich and diverse art education. There are multiple strands within this department: Drawing, Design, Sculpture, Painting, Ceramics, Fashion Jewelry, Fiber Arts, Comic Book Illustration, Photography, Studio Lab Assistant, Directed Study, AP Studio Art, and Graphic Arts & Design Technology.

Most strands are offered at both high schools. However, a few are unique to a specific building as indicated. Within each strand, students may work through multi-level sequences of courses, starting with basic and progressing through intermediate, advanced, and advanced & continuing. Each course is a semester in length.

There are no prerequisites for the basic art classes, with the exception of photography and jewelry at L’Anse Creuse High School and Fashion Fiber Arts at High School - North. However, students must receive a recommendation from their previous art teacher to take the advanced levels.

The production of art is the main objective of each strand. However, art history, criticism and the study of aesthetics are also incorporated.

In addition to the abovementioned strands, there are opportunities for students to pursue advanced studies independently and work toward college credit through the AP Program.

- In addition to the core art offerings listed, there is one other course taught within the high schools that is directly related to Art

This includes:
213 – AP Art History (see Social Studies Department)

800 DRAWING
Credit 0.5/semester Grades 9 -12
This course is designed to give the student an understanding of the fundamentals of drawing (line, form, texture, perspective, value, and composition) through a study of natural forms in still life and life drawing. A variety of different media will be explored, and include: pencil, pen and ink, felt tip, charcoal, and pastel. Recommendation for continuation of this area of study will be given by the teacher.

804 DESIGN
Credit 0.5/semester Grades 9 -12
This course is designed to give the student an understanding of various aspects of the elements of art and the principles of design including color, line, space, shape, value, texture, emphasis, balance, repetition, and contrast. Students work in a wide variety of media with emphasis on the use of imagination and creative thinking. The combination of words, images and graphic art references are incorporated in the course. The introduction of computer applications of design with appropriate software, digital cameras, scanners, color printing, and other kinds of technology will commence at the intermediate course level. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.
ART

808 SCULPTURE
Credit 0.5/semester     Grades 9 -12
Sculpture is designed to provide the student with opportunities to explore 3-D forms. Students will develop skills in carving, modeling, and construction in materials such as plaster, stone, wood, metal, and fibers. Intermediate Sculpture is a continuation of the use of basic skills, but students are expected to work on a larger scale and develop individual ideas. Advanced and Advanced & Continuing Sculpture stress individual direction and expression, refined skills and verbal communication concepts and ideas, as well as an understanding of the relationship of their work to sculptural movements of the past. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.

Available only at LCHS

816 PAINTING
Credit 0.5/semester     Grades 9 -12
This course is designed to teach a variety of traditional and contemporary painting techniques. An introductory approach to the concepts of transparency and opaqueness as applied to watercolor, tempera, and acrylic will be the basis of the course work. The student will explore paint application, color theory, and mixing paint for each media studied, canvas stretching, and preparation of a painting surface. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.

Available only at LCHS

819 POTTERY AND SCULPTURE
Credit 0.5/semester     Grades 9 -12
This course is designed to give the student an experience in each of the three-dimensional areas. Basic pottery will explore clay through hand-building techniques such as coil and slab, and will also include an introduction to the potter’s wheel. Intermediate levels will continue the study of clay through a combination of techniques and sculptural methods. Advanced levels will combine clay with other media and develop more sophisticated pieces. The sculpture portion will include historical studies of artists and the exploration of 3-D forms through materials such as plaster and wood. Intermediate and advanced levels will work on a larger scale, refining their skills and using more advanced materials. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.

Available only at HSN

820 CERAMICS
Credit 0.5/semester     Grades 9 -12
Basic Ceramics deals with an exploration of clay through techniques in pinch, coil, slab, and combination methods of construction. Intermediate pottery is a continuation of the study of pottery through the development of forms, including sculptural techniques in clay. Intermediate students are introduced to the wheel and continuation of handbuilding techniques. Advanced and Advanced & Continuing Pottery are in an in depth study of both hand built and wheel thrown techniques and students will develop a knowledge of glaze and kiln technology. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.

Available only at LCHS

823 FASHION FIBER ARTS
Credit 0.5/semester     Grades 9 -12
This course is designed to teach a variety of fiber arts techniques as well as fashion styles and beginning sewing. The study of fibers, their construction, and usage will lead directly into the study of historical fashion periods, styling, and creating simple garments/accessories. Advanced level will continue their coursework to include fiber techniques such as batik, trapunto, felting, and silk screening. They will also study and create formal attire and costuming. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.

Available only at HSN

840 FIBER ARTS
Credit 0.5/semester     Grades 11 - 12
This course is designed to teach a variety of fiber arts techniques including weaving, batik, trapunto, felting, sewing, and silk screening in combination with other appropriate three-dimensional techniques and a variety of complimentary materials. Emphasis is placed on creative design compositions based on organic, natural forms, and/or geometric shapes. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.

Available only at LCHS
828  JEWELRY
Credit 0.5/semester  Grades 9-12
Students need to have fine motor skills and need to be comfortable using machines and torches. Basic Jewelry deals with basic techniques in sawing, soldering, fabrication, and the casting of small scale pieces. Intermediate Jewelry is a continuation and application of previously learned concepts, increased complexity of techniques, such as stone setting, will be included. Advanced and Advanced & Continuing Jewelry stresses more complex techniques with emphasis on skill development, self-discipline and motivation. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.

829  COMIC ILLUSTRATION
Credit 0.5/semester  Grades 10-12
Prerequisite: Drawing  This course is designed to introduce students to techniques prevalent in the comic industry. The course covers penciling, inking, and watercolor techniques. Assignments include: character design, comic book covers, comic strip, and splash pages.

Available only at HSN

834  ART/PHOTO LAB APPRENTICESHIP
Credit 0.5/semester  Grades 11-12
Prerequisite: Two previous semesters of course work in one specific art discipline with a grade of A/B, recommendation of the teacher. This course is designed for the art student who may have an interest in pursuing a teaching career in the fine arts area. The student will teach, evaluate and critique basic student work, keep a journal of lesson plans, schedule and monitor the darkroom and write a 500 word essay of observation/evaluation of the assistantship.

827  DIRECTED STUDY IN ART
Credit 0.5/semester  Grades 11-12
Prerequisite: Previous semesters of art, recommendation of instructor. This class is designed for juniors and seniors who plan to prepare a portfolio for art school or college admission. This class requires self-discipline, motivation, and talent in a variety of art disciplines.

8351/8352  AP STUDIO ART
Credit 1.0/year  Grade 12
Prerequisite: Previous semesters of art with focus on portfolio preparation and recommendation of the teacher. This class is designed for students who plan to prepare a portfolio for college credit. Students must complete either a Drawing portfolio, a 2-D portfolio or a 3-D portfolio by mid-May of their senior year. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

Available only at LCHS

837  PHOTOGRAPHY
Credit 0.5/semester  Grades 9-12
Prerequisite: Successful completion of any high school art class, and access to a manual/automatic 35mm camera. Basic Photography is an introductory course designed to teach the fundamentals of photography, camera adjustment, film variation, film processing, and darkroom printing. Intermediate Photography is a continuation of the basic course in which the student is expected to perfect camera and darkroom techniques. Computer applications of photography will be introduced at this level. Advanced Photography involves application of all previous photographic knowledge and independent work in areas of lighting, themes, variation, and color studies. Digital Photography will be introduced and used of Digital Darkroom programs, such as Lightroom and Photoshop, will be utilized. Advanced & Continuing Photography focuses on advanced techniques, experimentation, concepts, and combined area disciplines which will be a natural progression based on prior knowledge and application of methods and individual skills. Recommendation for continuation of this area of study will be given by the teacher at the end of each semester.
BUSINESS

All students need to have a general understanding of how the American economy operates and the role business plays in the economic wellbeing of this country. No student can function in today’s society and escape the need for the life-long lessons that are taught in the business education curriculum. Business education has provided the direction and impetus for millions of students to work in corporations and small business or to start their own business ventures. All citizens must be able to participate in a global competitive economy. Business education provides the necessary tools to become a valued and informed consumer in a dynamic world.

FINANCE:

Students following the financial path will experience the practical applications required to achieve personal and business money management skills. Topics that will be included are taxation, payroll, budgeting, investments, stocks, balancing books, and compiling reports. Use of the computer will be an integral part of the financial process.

MARKETING:

Students pursuing career objectives in marketing must demonstrate competencies in the following areas: selling, promotion, distribution, risk management, pricing, purchasing, marketing information management, product/service planning, finance, and entrepreneurship. Marketing personnel must also demonstrate understanding of the marketing economics, business, and human resource foundations.

TECHNOLOGY:

Students must acquire a foundation of knowledge, skills, and attitudes which enable them to assume responsibility for their learning and effectively use technology as a tool for learning in and out of the classroom. In our information age, students must use technologies as a tool for managing information, for communication, for collaboration and for problem solving with others in the global workplace.

Technology for literacy means more than acquiring computer literacy. It includes the use of a variety of information systems technologies that increase the ability to access, manipulate, and disseminate information. It means developing an understanding of physical and bio-related technology systems. Technology literacy implies a positive attitude about the use of technology and the application of technology based on ethical standards.

BUSINESS MANAGEMENT:

641 BUSINESS LAW AND YOUR RIGHTS

Credit 0.5/1.0/semester/year Grades 9-12

Prerequisite: Suggested 2nd semester – completion of 1st semester. Want to know your rights? Have you had a legal conflict? Do you know the laws for business, consumers and minors? Business Law and Your Rights will assist you in the prevention of legal conflicts. Possible legal conflicts could include your rights in: automobile and home purchases; rental property agreements; home, health and automobile insurance contracts; traffic violations and accidents; law suits – the court system procedures.
FINANCE:

630 SMALL BUSINESS ACCOUNTING - M
Credit 0.5/semester  Grades 10 -12
Ever dream of owning your own business or getting a college degree in business (i.e. accounting, finance, marketing, management, computer science, or entrepreneurship)? Then this course is for you. Accounting is the language and foundation of business. This course includes an introduction to accounting practices for a business with one owner (sole proprietor). Topics include: journals, ledgers, checking, trial balances, and financial statements.

632 PARTNERSHIP ACCOUNTING - M
Credit 0.5/semester  Grades 10 -12
Prerequisite: Small Business Accounting. This class expands the principles and concepts learned in the first semester of accounting. This semester focuses on a business with more than one owner (partnership) who sells merchandise. Topics include: payroll accounting, creating journals, ledgers, trial balances, and financial statements. The game of Monopoly is used to practice and reinforce these skills and concepts.

651 PERSONAL FINANCIAL PLANNING - M
Credit 0.5/semester  Grades 9 -12
Personal Finance is a course designed to give students a basic overview of how economics impacts their lives as well as provide them with effective tools to promote financial well-being. Students will learn how to plan their careers and pay for post-secondary education or training. Students will also create a budget, set financial goals, learn how to use credit wisely, and research investment strategies. Lastly, students will learn how to protect their finances, secure a primary residence, and plan for retirement.

INFORMATION TECHNOLOGY:

605 SOFTWARE MEDIA 2010
Credit 0.5/semester  Grades 9 -12
This course is a must for college bound students. Make every class easier and the quality of your work higher by learning Microsoft Office 2010 (Word, Excel and PowerPoint), Windows and Publisher. Skills include creating and editing documents, cropping, rotating and enhancing photos, generating graphs and charts in Excel, enhancing presentations with graphics, animation, and photos. Learn tips on the best way to search the internet. All work is done in class.

606 ADVANCED SOFTWARE MEDIA 2010
Credit 0.5/semester  Grades 9 -12
Highly recommended: Software Media Management. Expand on what you learned in Software Media and apply it to: Google Earth, Wordle, Tagxedo, Pinterest, Photoshop, Drop Box, online bookmarks, visual organizers, cloud management, and Google Drive. Students will work independently to complete projects and track work.

6103/6104 AP COMPUTER SCIENCE PRINCIPLES
Credit 1.0/year  Grade 12
AP Computer Science Principles will introduce students to the creative aspects of computer programming, abstractions, algorithms, large data sets, internet safety, cybersecurity concerns, and computing impact on the global society. The curriculum covered through code.org includes: The internet, digital information, intro to programming, data & privacy, and building apps. AP Computer Science Principles gives students the opportunity to use current technologies to create artifacts for both self-expression and problem solving. Upon successful completion, students will have 0.5 honor points added to their grade.
BUSINESS

MARKETING:

683 INTRO TO MARKETING - M
Credit 0.5/semester                      Grades 10 -12
This class is designed for students who are interested in careers in marketing, management and business ownership. The purpose of this course is to provide students with the fundamental principles and concepts identified marketing, and to develop critical thinking and decision-making skills through the application of marketing principles in these industries through projects and activities. Topics include foundations of marketing, selling, management, and careers in Marketing. In addition, students will take part in DECA, a national marketing student organization.

684 ENTREPRENEURSHIP
Credit 0.5/semester                      Grades 10 -12
Prerequisite: Intro to Marketing. Entrepreneurship introduces students to the exciting world of creating and owning their own business. Students will identify the fundamentals of business creation, understand the personal attributes needed to be a successful entrepreneur, and research various business opportunities. Topics covered include the characteristics of an entrepreneur, entrepreneurial opportunities, operations, human resource, and risk management. Students will develop a hypothetical business plan. In addition, students will take part in DECA, a national marketing student organization.

685 SOCIAL MEDIA
Credit 0.5/semester                      Grades 11 -12
Prerequisite: Intro to Marketing. Students will learn the latest trends happening in advertising, public relations and sales using an online presence. They will develop a positive online presence for themselves by learning how to develop a professional online voice and conduct online professional networking. Students will also understand the roll of social media in marketing, use social networks as a marketing tool, and learn how to use Twitter, video-sharing (YouTube), mobile marketing, blogs (Blogger and Tumblr), and new emerging social media as a marketing tool. In addition, students will take part in DECA, a national marketing student organization.

686 STRATEGIES IN SPORTS, ENTERTAINMENT & MARKETING - M
Credit 0.5/1.0 semester/year             Grades 10 -12
This class is designed for students who are interested in careers in sports & entertainment marketing, marketing, management and business ownership. Students will learn the language of sports & entertainment and marketing as well as distribution and the importance of developing social skills for business jobs. The purpose of this course is to provide students with the fundamental principles and concepts identified with sports and entertainment marketing, and to develop critical thinking and decision-making skills through the application of marketing principles in these industries through projects and activities. Topics of study will be: private enterprise system, consumer economics, world channels of distribution, purpose of marketing, types of marketing enterprises, careers in sports and entertainment marketing, marketing and distribution, promotion and pricing, human relations skills, and how technology affects business operations. Through course work, field trips, and guest speakers, students will gain confidence and the opportunity to achieve marketable skills. In addition, students will take part in DECA, a national marketing student organization.

M = Math related credit  S = Science related credit
6881/6882 MARKETING & BUSINESS OPERATIONS - M
Credit 0.5/1.0 semester/year Grades 11 -12
Prerequisite: Strategies in Sports, Entertainment & Marketing (or Marketing Strategies) and Advanced Marketing Strategies & Entrepreneurship – must have passed each class with a “C” or better. Must have citizenship of S or O, and teacher recommendation. Students in this class will have the opportunity to manage and market all school store activities. The focus of this course will be the advanced studies of marketing as well as reinforcing management fundamentals. Students will be introduced to the theories and practices needed for successful buying, promoting, storing, displaying and selling of all school store products. Other business functions will be introduced to enhance the course learning objectives. This class will require before and after school attendance in the operation of the school store.
DECA membership available.

6883/6884 MARKETING & BUSINESS OPERATIONS-MANAGEMENT
Credit 0.5/1.0 semester/year Grades 11 -12
Prerequisite: Marketing & Business Operations.
In this course, students acquire an understanding of the management environment through a hands-on experience at the Lance Locker Room. Students’ responsibilities include, but are not limited to, managing employees, creating work schedules, implementing promotional activities, creating business statements, and making purchase orders for food, drinks, and clothing. Students will extend their knowledge by participating in a student organization called DECA.
Pending DCC Approval
Externship eligible program

689 ADVANCED STRATEGIES IN SPORTS, ENTERTAINMENT & MARKETING - M
Credit 0.5/1.0 semester/year Grades 11 -12
Prerequisite: Strategies in Sports, Entertainment & Marketing. This class is a continuation of Strategies in Sports, Entertainment & Marketing concepts and applies them to the sports & entertainment and marketing industries. This class will take students on a step-by-step journey through the world of marketing. Students encounter and learn about the key functions of marketing and how those functions are applied in the sports & entertainment and marketing worlds. This course will also start you thinking like an owner or manager of a business. Students will explore the impact of the economy on business. Legal requirements, physical layout, operating and staffing needs, promotion, social and ethical responsibilities, and applications of technology will be studied. Successful completion of this course will help students develop knowledge of the career possibilities in the sports & entertainment and marketing industries as they relate to a diverse population and global society and to develop the knowledge that is required to produce an actual sports and entertainment event. Through projects, virtual business simulations software, course work, field trips, and guest speakers, students will gain confidence and the opportunity to achieve marketable skills. In addition, students will take part in DECA, a national marketing student organization.
DECA membership available.
Externship eligible program.
THE NEW ENGLISH LANGUAGE ARTS REQUIREMENTS:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specifics</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 credits</td>
<td>Aligned with subject area content expectations, developed by the Michigan Department of Education, and approved by the State Board of Education</td>
</tr>
</tbody>
</table>

Personal Curriculum Modification – if applicable
No modification allowed

- An English Language Arts (ELA) class can include writing, speaking, representing, viewing, literature, and culture and language.

The curriculum of the English Department enables students of varying interests and abilities to learn successfully. A wide variety of classes allows each student to study subject matter in which he or she has an interest. Reading, writing, speaking and problem-solving are integrated in most classes.

REQUIREMENTS:
1. Eight semesters (four credits) of English are required for graduation, which include literature, writing, and speaking courses.
2. All ninth grade students are required to take either English 9 or English 9 Honors.
3. All tenth grade students are required to take either English 10 or English 10 Honors.
4. Only one credit in Journalism and one-half credit in Speech, Drama, Acting and Debate (as a group) may be counted toward the minimum requirement of four English credits.
5. Students may register in AP English and Creative Writing only with the recommendation of the teachers.
6. A student cannot receive credit in the same course twice.

EXPLANATION OF COURSE LEVELS

Each course is marked from 1 to 5 to indicate its level of difficulty. Courses marked with more than one number are open to students at various levels, indicating that a range of assignments will be give within the course. An explanation of the levels of difficulty follows:

1. Courses marked Level 1 are for students who have historically struggled with English, have significantly below grade level scores on standardized assessments, and have been recommended by a teacher or counselor for the course.
2. Courses marked Level 2 are for students who have historically been below grade level in English, have below grade level scores on standardized assessments and would benefit from some remediation in their English studies.
3. Courses marked Level 3 are for students who have historically been average English students and have scores on standardized assessments that place them at grade level.
4. Courses marked Level 4 are for students who have historically performed above average in their English courses and have standardized test scores that indicate that they can perform above grade level.
5. Courses marked Level 5 are for students who have historically excelled in English and are self-motivated learners. Level 5 students score significantly above grade level on standardized tests. Teacher and/or counselor recommendation is needed for Level 5 courses.
# 131 English 9

**Credit 1.0/year**  
**Grade 9**  
English 9 is an overview course that requires students to explore a variety of genres including short stories, poetry, plays, myths, nonfiction, and fiction. Students will receive instruction on grammar, vocabulary, and academic writing with a focus on MLA format. Units on Greek Mythology, Shakespeare, and research writing are included. The goals of this course are to improve listening, viewing, language, reading, and writing skills.

# 133 English 9 Honors

**Credit 1.0/year**  
**Grade 9**  
English 9 Honors - a more demanding course - challenges students to improve their reading, writing, and interpretive abilities. Students will analyze and write about a variety of literature which will include genres such as poetry, short stories, myths, essays, and non-fiction. In addition, students will explore various themes prevalent in literature throughout the year, and apply these themes to multiple units of instruction. Students will study grammar and how to use a wide range of vocabulary to enhance their academic writing. Summer reading will be assigned.

# 134 English 10

**Credit 1.0/year**  
**Grade 10**  
English 10 chronologically surveys authors and works from the pre-colonial era to the 21st century as well as their historical contexts and applications to the present. Essays, poetry, short stories, plays, nonfiction, and novels by major American authors are read and studied. Activities in this academic course include: reading and discussing daily assignments, quizzes, projects, tests, and opportunities for oral presentations. As students advance their composition skills, they will be required to write in varied genre including interpretive, analytical, and research papers.

# 136 English 10 Honors

**Credit 1.0/year**  
**Grade 10**  
English 10 Honors is a full year course available to those students who maintain high academic expectations. It is a survey course in which students will be reading a broad and extensive variety of genre including: short stories, poetry, plays, autobiographies, speeches, essays, novels, fiction, and non-fiction. Students will read and analyze the literature, and along the way, explore and clarify their own beliefs and values. Students will explore personal voice in a variety of writing genres beyond the literary analysis and research paper. Students will experiment with literary criticism. Additionally, any other area of study that is relevant to the literature will also be addressed. These may include, but are not limited to, philosophical, political, social, cultural, or religious movements. Summer reading will be assigned.

# 137 English 11

**Credit 0.5/semester**  
**Grade 11**  
English 11 is a literature course focused on thematic literary units. Each quarter will be structured around one anchor text that is chosen by theme. Along with that anchor text, several nonfiction/instructional pieces will be added along with poetry to supplement the literature. There will also be a strong grammar and writing component with each unit. A research paper is required for this course.

# 138 English 12

**Credit 0.5/semester**  
**Grade 12**  
English 12 is designed as an extension of underclassmen courses. This course will expand and polish reading, writing, research, technology, listening, viewing, and speaking skills. Active reading strategies and higher order/critical thinking skills will be utilized to analyze and interpret reading selections. Students will develop a world perspective of literature by analyzing classic to contemporary texts in a variety of genres. The students will demonstrate proficiency of the writing process through persuasive, comparison, opinion, and narrative writing.

# 125 Acting (3,4,5)

**Credit 0.5/semester**  
**Grades 10-12**  
The interested student will study theater from the actor’s point of view. Individual acting techniques, observation, concentration, sense recall, imagination, and emotional response will be developed. Exercises in voice improvement, stage movement, characterization, dialects, and stage combat will be completed. Serious and comic scenes and monologues will be prepared and presented to the class for evaluation. *This class may not be accepted by colleges as English credit.*
L’Anse Creuse Public Schools Coursebook

**ENGLISH**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Grade Level</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1253/1254</td>
<td>ADVANCED ACTING (3,4,5)</td>
<td>0.5/semester</td>
<td>10 - 12</td>
<td>Acting or teacher recommendation.</td>
<td>This course continues to develop improvisational skills and character traits in the form of mini productions as well as the potential for a production before the public. Emphasis on directing, staging, costuming, theatre types, and theatre practices across the globe will provide the interested student with more practical experience. This class may not be accepted by colleges as English credit.</td>
</tr>
<tr>
<td>114</td>
<td>JOURNALISM (3,4,5)</td>
<td>0.5/semester</td>
<td>9 - 12</td>
<td></td>
<td>This class is open to students with good writing skills who are interested in learning print journalism techniques in preparation for joining the newspaper or yearbook staff. Students will study straight news, feature writing, interview techniques, layout, design, etc. There will be numerous writing assignments. Drawing newspaper and yearbook layouts and desktop publishing will also be part of the course. The selling of the publication, advertisements, and fundraising will be required. Available only at HSN.</td>
</tr>
<tr>
<td>120</td>
<td>SPEECH (3,4,5)</td>
<td>0.5/semester</td>
<td>10 - 12</td>
<td></td>
<td>This class focuses on developing an understanding of informal and formal public address. Students will master the fine points of delivering a speech and study units including: the communication process, preparing and organizing a speech, verbal and nonverbal communication, active listening, and the delivery of speeches such as the informative, the demonstrative, and the persuasive.</td>
</tr>
<tr>
<td>110</td>
<td>ADVANCED COMPOSITION (4,5)</td>
<td>0.5/semester</td>
<td>11 - 12</td>
<td>Teacher recommendation.</td>
<td>Class will emphasize the various types of writing often required in college. Course includes intensive grammar and vocabulary instruction. An acceptable research paper is required. First semester – 12th grade only Second Semester – 11th grade only</td>
</tr>
<tr>
<td>111</td>
<td>CREATIVE WRITING (3,4,5)</td>
<td>0.5/semester</td>
<td>11 - 12</td>
<td></td>
<td>Imaginative writing may include daily journals, poetry, sketches, personal narratives, short stories, drama, and a portfolio project of revised and illustrated works. Oral reading of assignments and peer group editing will be required as well.</td>
</tr>
<tr>
<td>116</td>
<td>WRITING FOR PUBLICATIONS (3,4,5)</td>
<td>0.5/semester</td>
<td>11 - 12</td>
<td></td>
<td>Writing for Publications is designed for students who show proficiency in writing and are interested in studying and applying the principles of journalism. Emphasis is placed on journalistic writing including the areas of news, feature, editorial, sports, and entertainment. Headlines, layouts, graphic design, and advertising are also incorporated into the course. Students are expected to schedule and conduct interviews and take pictures for their articles. Writing for Publications will use skills covered in Journalism to produce and publish L’Anse Creuse High School North’s online newspaper, The North Star. Available only at HSN.</td>
</tr>
<tr>
<td>118</td>
<td>PUBLICATIONS (3,4,5)</td>
<td>1.0/year</td>
<td>11 - 12</td>
<td>Teacher approval required.</td>
<td>This course requires the preparation of all materials for the school’s yearbook, using desktop publishing software. Each staff member will be required to meet deadlines, as well as be involved in ad sales and actual sale of yearbooks. After-school work may be required. Must be scheduled for both semesters.</td>
</tr>
<tr>
<td>122</td>
<td>DEBATE (4,5)</td>
<td>0.5/semester</td>
<td>11 - 12</td>
<td>Speech (grade of “C” or better).</td>
<td>A semester of debate will enhance the interested student’s public speaking, argumentation, and reasoning skills. The course will deal with such principles as research of a topic, preparation of the argument, refutation, rebuttal and case analysis. Outside-of-class library research is required.</td>
</tr>
</tbody>
</table>
165  AP ENGLISH LANGUAGE AND COMPOSITION (5)
Credit 1.0/year  Grades 11 - 12
Prerequisite: Teacher recommendation is required. English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. **Summer work is required.** Upon successful completion, students in this class will have 0.5 honor points added to their grade. Students are strongly encouraged to take the AP Exam.

166  AP ENGLISH LITERATURE AND COMPOSITION(5)
Credit 1.0/year  Grade 12
Prerequisite: Successful completion of AP Language preferred, recommendation by instructor, or by special permission. This class is for the highly motivated student who wants challenging reading, writing, and thinking experiences and the opportunity to earn college credit by passing the AP test given each spring. Elected for one year, the course requires papers for each book read. Presentations and essays may be required. **Summer work is required.** Upon successful completion, students in this class will have 0.5 honor points added to their grade. Students are strongly encouraged to take the AP Exam.

173  ENGLISH: COLLEGE AND CAREER LITERACY
Credit 1.0/year  Grades 9 - 12
College and Career Literacy is a class specifically focused on literacy enrichment, which gives the student the essential skills needed to prepare for the SAT and for college and career. Course objectives include, but are not limited to:
- Employing multiple strategies to construct meaning (vocabulary usage and study, analyzing mood and tone for the genres, etc.) to enhance the ability for success on the SAT and in college and career
- Reading and comprehending general and technical material
- Learning usage and mechanics for college, career and SAT
- Enhancing rhetorical skills of strategy, organization and style for all types of writing for tests, college applications and real world situations
- Practicing different types of study habits and skills for the needs of the individual student

174  LEADERSHIP/MENTORING - COMMUNICATION
Credit 1.0/year  Grades 11 - 12
Prerequisite: Teacher Approval
This course will emphasize leadership and facilitation skills. Students will be required to learn and teach specific concepts to freshman and/or sophomore students. These concepts include personal responsibility, managing school requirements, goal setting and social involvement in high school. Students in this class will learn activities and lessons to teach these skills during the advisory period.

Available only at LCHS
INDUSTRIAL TECHNOLOGY

The mission of this department is to provide an opportunity for experience within the field of industry and technology which does three things: (1) introduces students to the most advanced technological systems at our disposal; (2) teaches students to use technology systems within the processes which define contemporary industry (Communications, Production, Power/Energy, Transportation and Bio-Technology); and (3) inspires students to strive for educational achievement as well as enrichment.

Prerequisite: No prerequisites are required as a condition of enrollment. However, students who strive for good reading, writing, math and analytical skills are likely to glean the greatest benefit from these classes.

NOTE: Successful completion of Industrial Technology classes may be used toward fulfilling the high school graduation credit requirements of Visual, Performing or Applied Art, or as an elective credit.

Each course listed will receive one-half credit per hour each semester. Students may take as many semesters as they would like in each course – except as noted in the course descriptions. Each course is a multilevel class, open to all students and all grade levels, except video. Each student will work at his or her level of experience.

770 TECHNOLOGY EDUCATION (MODULAR TECHNOLOGY)

Credit 0.5/1.0 semester/year  Grades 9-12

This course may be taken two semesters. Directed Study is an available option with approval of the instructor. Technology Education is an introduction to basic principles of design, manufacturing, engineering, construction, transportation, systems and controls. Students learn from computer-based curriculum and instructor led discussions. Each unit (module) contains a hands-on application project to reinforce the concepts covered in the curriculum. Units include, but are not limited to: computer software skills, three-dimensional computer aided drafting (CAD), computer programming, video editing, engineering, model race car design, Computer Numerical Controlled (CNC) machining, and electricity and graphic design. Successful completion of Modular Technology may be used toward fulfilling the high school graduation credit requirements of Visual, Performing or Applied Art; or as an elective credit.

771 DRAFTING/CAD

Credit 1.0/semester  Grades 9-12

The course covers the basic fundamentals of technical design. Students will learn technical representation drawing and computer aided design. Units of study include, but are not limited to: technical drawing, architectural design, 3D modeling, engineering and production blueprints, manufacturing processes, computer aided manufacturing, auto body design, and scale modeling. The course is housed in a manufacturing shop environment which will be utilized as needed.

Drafting/CAD is a 1-semester, 2 class period offered at the Pankow Center. With instructor approval, a student may take a second semester. To do so, returning students would agree to an assigned leadership role within the class while completing rigorous independent projects based upon their prior experiences in semester one.

NOTE: Successful completion of this course may be used toward fulfilling the high school graduation credit requirements of Visual, Performing or Applied Art; or as an elective credit.

Available only at the Pankow Center

773 COMMUNICATION: VIDEO

Credit 0.5/1.0 semester/year  Grades 9-12

Requirements: Successful completion (C- or better) of one of the following: modular technology, photography, acting, journalism, or permission from video instructor. This course may be taken more than once. This course is a study in video production from a practical application perspective. Course content includes video production equipment and use, camera operation techniques, video composition, program planning and execution, and lighting. Editing techniques will be a main focus using primarily non-linear editing software. Class projects may include special school or community projects, production of a news/feature/sports show, or public service announcements. After school hours are required and often necessary to complete class projects. Students should be academically sound enough to miss some hours of other classes without damage to his/her grades. Successful completion of Video may be used toward fulfilling the high school graduation credit requirements of Visual, Performing or Applied Art; or as an elective credit.
The goal of the Life Management Department is to teach the practical art of managing and improving one's personal and family life. In each class, the basic skills of reading, writing, and math as well as science and social science concepts are given tangible meaning. Students can realize that day to day living requires basic skills mastery and interdisciplinary knowledge in a meaningful way. In other words, it gives practicality to the student’s academic education. Other practical skills students learn are organization, time management, cooperative group work, and following directions. Because the Life Management classes are activity classes, these classes can help reduce the stress that a student may encounter from a straight academic schedule. Courses in this department also fulfill the student’s required Visual, Performing, or Applied Arts (Career and Technical Education) graduation credit.

**715 GOURMET FOODS**

Credit 0.5/semester  
Grades 10-12  
Prerequisite: “B” or better in Foods and Nutrition or work related experience and teacher recommendation.

This class is designed for students to learn advanced culinary skills. Skills that students will work on include: cake decorating, appetizers, pastries, and planning and preparing gourmet meals.

**728 INDEPENDENT LIVING - M**

Credit 0.5/semester  
Grades 10-12  

The students will learn the practical skills necessary for adult living. The basics of leasing an apartment, buying a home, managing money, establishing credit, purchasing an automobile, obtaining insurance, and securing employment are experienced through actual practice in class.

**737 CHILD DEVELOPMENT**

Credit 0.5/semester  
Grades 9-12  

This class is designed to increase a student’s awareness of the prenatal development and the role adults have. It will provide an understanding of how babies develop physically. The students will learn about each of the three trimesters of pregnancy, labor and the care of infants. Baby Think It Over Program is used in this class.

**738 HUMAN GROWTH AND DEVELOPMENT**

Credit 0.5/semester  
Grades 10-12  

This class discusses human development throughout a life cycle. The students will be learning about development during the stages of: toddler, preschooler, school age, adolescents, young adult, middle-aged adult, and elderly adult. The student will explore the cognitive, physical, and emotional development of each stage of life.

**739 FOOD AND NUTRITION**

Credit 0.5/semester  
Grades 9-12  

The skill of planning, preparing, serving, and selecting food is learned through actual experience in class. Also, students will analyze meal patterns, their own eating habits, and fast food items for good nutrition and good health.

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**M** – Math related credit  
**S** – Science related credit
Mathematics is an essential part of a well-rounded education. It helps build analytical and deductive thinking skills that can be applied in many areas beyond a mathematics classroom through the study of problem solving. In order to ensure that all students are prepared to be successful upon exiting high school, a four-year requirement was instituted for graduation in the State of Michigan.

An essential component to successful mathematics development is proper course placement based upon performance in previous courses. Incoming freshmen will register for the course for which their background and ability have prepared them: Algebra 1, or Geometry. All of these are followed by the next course in the strands shown below:

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strand I</td>
<td>Algebra 1</td>
<td>Geometry</td>
<td>Algebra 2 Year 1</td>
</tr>
<tr>
<td>Strand II</td>
<td>Algebra 1</td>
<td>Geometry</td>
<td>Algebra 2</td>
</tr>
<tr>
<td>Strand III</td>
<td>Geometry</td>
<td>Algebra 2</td>
<td>Pre-calculus</td>
</tr>
<tr>
<td>Strand IV</td>
<td>Algebra 1</td>
<td>Geometry</td>
<td>Algebra 2</td>
</tr>
</tbody>
</table>

Homework is assigned regularly in ALL courses, and scientific calculators will be used in all classes. A graphing calculator, preferably a TI-NSpire, is strongly recommended for classes beyond Geometry. Computers may be utilized when appropriate in any course.

Guidelines for Algebra 1 are as follows:
- Eighth grade Algebra curriculum duplicates ninth grade Algebra
- Eighth grade Algebra will appear on the high school transcript
- Eighth grade Algebra will count toward the four-year high school math requirement and toward the 26-credit graduation requirement
- Eighth grade Algebra does not count as credit toward a math honor cord

NOTE: The Mathematics Department course offerings provide options and electives for meeting individual needs, experiences, and goals. The curriculum is designed to accommodate students whose interests and strengths may lie in other areas, as well as those who plan to study mathematics in the future. The successful completion of ANY strand of courses will satisfy (a) the four-year curriculum requirements mandated by the State of Michigan and (b) the guidelines established by the NCAA Clearinghouse.

Placement Procedures:
For incoming freshmen – Students will be placed based on the 8th grade mathematics course they completed, their grades and recommendations from their 8th grade teachers.
For those entering sophomore, junior, or senior year – Students will be placed according to the recommended sequence of classes in the various strands.

See Page 77 for a list of Math Related Courses
310  ALGEBRA 1  
Credit 1.0/year  
Grade 9
This course emphasizes the development of skills, techniques, and applications that deal with number relations, linear and quadratic equations, formulas, polynomials, graphing, systems of equations, factoring, rational expressions, absolute value, exponents, square roots, and exponential and logarithmic functions. A core foundation of basic mathematics skills (such as working with fractions, operations with positive and negative numbers, and following orders of operations) is essential for success in this course. ^Algebra 1 is also offered for high school credit at all four of our middle schools.

320  GEOMETRY  
Credit 1.0/year  
Grades 9 - 10
This course deals with sets of points and related properties. Sets studied include lines, angles, polygons, circles, planes and surfaces of geometric solids such as pyramids, cones, cylinders, and spheres. The class emphasizes systematic approaches to and processes for proving and applying theorems. This course also will include applications of algebraic skills.

321  HONORS GEOMETRY  
Credit 1.0/year  
Grade 9
This course moves more rapidly and studies the topics in greater detail than in Geometry. This course includes all topics included in Geometry at an advanced level with an emphasis on mathematical reasoning and problem solving.

3303/3304 ALGEBRA 2 YEAR 1  
Credit 1.0/year  
Grades 10 - 12
This course reviews and builds upon concepts presented in Algebra I with added emphasis on abstract reasoning. Topics to be covered may include factoring, exponents, radicals, properties of graphs, matrices, irrational numbers, imaginary and complex numbers, probability and statistics, conic sections, and quadratic, exponential, and logarithmic functions.

3403/3404 ALGEBRA 2 YEAR 2  
Credit 1.0/year  
Grades 10 - 12
This course reviews and builds upon concepts presented in Algebra I with added emphasis on abstract reasoning. Topics to be covered may include factoring, exponents, radicals, properties of graphs, matrices, irrational numbers, imaginary and complex numbers, probability and statistics, conic sections, and quadratic, exponential, and logarithmic functions.

3391/3392 Financial Algebra  
Credit 1.0/year  
Grades 11 - 12
This course offers mathematical instruction for daily living that is meaningful and relevant, by combining algebraic and graphical approaches with practical business and personal finance applications. Financial Algebra provides third and fourth year students with an engaging, meaningful learning experience. It shows how algebraic thinking patterns are essential for success in today’s finance and business dealings. Topics include a strong review of basic algebra formulas with variables, equations, functions, systems of equations, graphs, and statistics. Advanced functions such as piecewise functions, regression limits, exponential functions, and linear/quadratic systems are addressed. There will be a significant technology component teaching students modeling techniques.

331  HONORS ALGEBRA 2  
Credit 1.0/year  
Grade 10
Prerequisite: “B-” or better in Geometry and Algebra 1. This course moves more rapidly and studies the topics in greater detail than in Algebra 2 Year 1/Year 2. This course includes all topics included in Algebra 2 Year 1/Year 2 at an advanced level with an emphasis on mathematical reasoning and problem solving.

360  PRECALCULUS  
Credit 1.0/year  
Grades 11 - 12
Prerequisite: B- or above in Honors Algebra 2. This class involves a detailed study of trigonometry including trigonometric equations, identities, and inverse trigonometric functions. Other topics include sequences and series, conic sections, polar coordinates, complex numbers, and polynomial, rational, exponential, and logarithmic functions. A graphing calculator, preferably a TI-NSpire, is needed for this class.
315 STATISTICS
Credit .5/1.0 semester/year  Grades 11 - 12
Prerequisite: Algebra 2 or Pre-calculus. This course will introduce and develop the concepts involved in collecting, analyzing, and drawing conclusions from data. Calculations sometimes may be done “by hand,” and other times will be completed with the use of technology. Writing will be a component of this course because it is necessary to explain the results of the calculations that are performed. This class will be comprised of content from four major topics: descriptive statistics, producing data, probability, and inferential statistics.

3707/3708 AP STATISTICS
Credit 1.0/year  Grades 11 - 12
Prerequisite: Algebra 2 or Pre-calculus. AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-Nspire graphing calculator, Fathom, Minitab statistical output, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

370 AP CALCULUS AB
Credit 1.0/year  Grade 12
Prerequisite: “C” or above in Pre-calculus or teacher recommendation. This is a college-level course covering limits, derivatives, integration, and their applications. A graphing calculator, preferably a TI-83 or TI-84, is needed for this class. All students enrolled in this course are expected to take the AP examination in the spring (please see the section in this book on AP course offerings for more information.) Upon successful completion, students in this class will have 0.5 honor points added to their grade.

394 MATHEMATICAL REASONING FOR COLLEGE & CAREER READINESS
Credit 1.5/year  Grades 9 - 12
This class is specifically focused on mathematical reasoning enrichment which gives the student the essential skills to prepare for the SAT and for college and career. Course objectives include, but are not limited to:

- Employing multiple strategies to improve performance on standardized tests
- Exploring question styles and samples of the mathematics portion of the SAT
- Learning and sharing calculator strategies to enhance speed and accuracy of calculations to enhance the ability for success on the SAT and in college and career
- Investigating colleges and career choices that include mathematical reasoning and researching the application process as well as the process in which to secure a loan.
- Practicing different types of study habits and skills for the needs of the individual student
The following information pertains to all bands listed below. Please read these expectations carefully before making a commitment to the instrumental music program.

In the fall all bands combine to form the L’Anse Creuse High School Lancer Marching Band and the L’Anse Creuse High School - North Crusader Marching Band. Admission to classes is based upon previous experience, individual competence, organizational balance, and auditions. Experiences for performance will be provided in the following areas:

- Concert Band performances in seasonal concerts, District and State Band Festival as well as various performance experiences, which may require travel.
- Marching Band performances in parades, marching competitions, half-time shows at home football games as well as various experiences, which may require travel.
- Solo and Small Group Ensemble performances in coordination with scheduled band concerts and the District and State Solo and Ensemble Contest.
- The band as a whole will provide performances of standard high school band literature of all types including: classical, modern, renaissance, popular, rock, and jazz.
- Other opportunities for performance include possible selection for pep band, jazz band, district honors band, Michigan Youth Arts Festival, Michigan College and University High School Honors Bands, Lions of Michigan All-Star Band, etc.

Main student obligation and responsibility is faithful attendance of all previously scheduled and announced rehearsals and performances including, but not limited to, sectionals, after-school rehearsals, evening rehearsals and performances, summer band camp, summer rehearsals and parades.

850 WIND SYMPHONY
Credit 1.0/year                  Grades 9 - 12
Prerequisite: Previous experience or audition. This class continues the instruction begun in the Freshman, Concert, and/or Symphony Bands. Students will be exposed to advanced musical literature and an increased emphasis of all curricular areas of instrumental music including the advanced knowledge and instruction of music theory. Although not required, it is strongly recommended that students enrolled in this course enhance their musical experience through participation in private lessons and Solo and Ensemble Festival.

851 SYMPHONY BAND
Credit 1.0/year                  Grades 9 - 12
Prerequisite: Previous experience or audition. This class continues the instruction begun in the Freshman or Concert Band. Students will be exposed to more advanced musical literature. Continued emphasis will be placed on developing the fundamentals of good musical performance. Although not required, it is recommended that students enrolled in this course enhance their musical experience through participation in private lessons and Solo and Ensemble Festival.

852 FRESHMAN BAND
Credit 1.0/year                  Grade 9
Prerequisite: Middle School Band experience (others by the discretion of the Director of Bands). This class continues the instruction begun in middle school band in developing performance skills on all of the band instruments to an advanced level of proficiency.

853 JAZZ ENSEMBLE
Credit 1.0/year                  Grades 10 - 12
Prerequisite: Previous experience or audition. This class is an extension of Symphony Band and Wind Symphony. It is designed to give students an opportunity to expand their knowledge through the study and performance of music within the jazz idiom.

854 CONCERT BAND
Credit 1.0/year                  Grades 9 - 12
Prerequisite: Middle School Band experience (others by the discretion of the Director of Bands). This class continues the instruction begun in middle school band in developing performance skills on all of the band instruments to an advanced level of proficiency.
# MUSIC (INSTRUMENTAL)

## 855 ENSEMBLE/SECTIONAL-BAND

<table>
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<tr>
<th>Credit</th>
<th>Grades</th>
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<tbody>
<tr>
<td>1.0/year</td>
<td>9 - 12</td>
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**Prerequisite:** Instructional approval. This class will be an introduction of elements of both music theory and composition. Basic music appreciation, styles, and history will also be incorporated. Students’ performance on instruments will be utilized in basic composition incorporating the above. Students should have strong instrumental background.

## 856 MUSIC THEORY 1

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<tr>
<th>Credit</th>
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<tr>
<td>0.5/semester</td>
<td>9 - 12</td>
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</table>

This is an academic music class with emphasis on basic music theory such as reading rhythms, notes, chords and symbols. Beginning ear training is included. Highly recommended for all choir and band students – as well as students who study or play music outside school.

*Available only at LCHS*

## 857 MUSIC THEORY 2

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<th>Credit</th>
<th>Grades</th>
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<td>0.5/semester</td>
<td>9 - 12</td>
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**Prerequisite:** Successful completion of Music Theory 1 or teacher approval. This course offers more complex studies of basic rudiments of music with strong emphasis on arranging and composing. Advanced ear training is included. Strongly recommended for any students interested in more advanced music.

*Available only at LCHS*

## 859 AP MUSIC THEORY

<table>
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<th>Credit</th>
<th>Grades</th>
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<tr>
<td>1.0/year</td>
<td>9 - 12</td>
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</table>

**Prerequisite:** Successful completion of Music Theory 1 and 2 and/or teacher approval. Advanced study of music theory and composition. Students will work in an intensive curriculum that is equivalent to the first full year (+) of university level music theory. Students will prepare for and take the College Board AP Music Theory Exam offered in the spring of each school year. This course is highly recommended for any student wishing to study music or any music related field beyond high school. Upon successful completion, students will have 0.5 honor points added to their grade.
Music activities consist of ensembles of varying size and abilities, performing, and studying a variety of musical styles and compositions. Admission to classes is based upon previous experience, individual competence, organizational balance, and auditions. Performance opportunities vary among groups due to size and ability. Membership in all music performance groups requires the student to attend all performances of the group in which he/she is enrolled.

**860 CHOIR**
Credit 1.0/year  
Grade 9  
Prerequisite: None. This choir experience includes students at varying levels and development: beginners, intermediate, and advanced. The class has several opportunities for performance. There will be performances in and out of school and travel experience. There will be regular tests of theory, musical interpretation and singing.

**871 ENSEMBLES/SECTIONALS**
Credit 1.0/year  
Grades 10 - 12  
Prerequisite: Teacher approval or audition. This course offers an advanced experience with more opportunities to perform.

**880 SHOWCHOIR**
Credit 1.0/year  
Grades 10 - 12  
Prerequisite: One year in choir with choreography experience. Teacher approval. Showchoir is designed to provide students with the opportunity to apply movement to music. Several performances throughout the year will include dance and choreographed movements. There will be regular tests based on musical understanding and movement along with tests of theory, musical interpretation, and singing.

**890 CONCERT CHOIR**
Credit 1.0/year  
Grades 10 - 12  
Prerequisite: Previous experience or audition. This class experience continues instruction begun in the Freshman Choir. Students will be exposed to advanced choral literature. Continued emphasis will be placed on developing the fundamentals of good musical performance. There will be performances in and out of school and travel experiences. There will be regular evaluations of theory, musical interpretation, and singing.

**856 MUSIC THEORY 1**
Credit 1.0/year  
Grades 9 - 12  
This is an academic music class with emphasis on basic music theory such as reading rhythms, notes, chords, and symbols. Beginning ear training is included. Highly recommended for all choir and band students – as well as students who study or play music outside school.

**857 MUSIC THEORY 2**
Credit 1.0/year  
Grades 9 - 12  
Prerequisite: Successful completion of Music Theory 1 or teacher approval. This course offers more complex studies of basic rudiments of music with strong emphasis on arranging and composing. Advanced ear training is included. Strongly recommended for any students interested in more advanced music.

**859 AP MUSIC THEORY**
Credit 1.0/year  
Grades 9 - 12  
Prerequisite: Successful completion of Music Theory 1 and 2 and/or teacher approval. Advanced study of music theory and composition. Students will work in an intensive curriculum that is equivalent to the first full year (+) of university level music theory. Students will prepare for and take the College Board AP Music Theory Exam offered in the spring of each school year. This course is highly recommended for any student wishing to study music or any music related field beyond high school. Upon successful completion, students will have 0.5 honor points added to their grade.
A complete education addresses the intellectual, emotional, spiritual, and physical needs of the learner. To ensure that students get at least a minimal background in physical education and health, the L’Anse Creuse Public Schools Board of Education has decided that every student, in order to graduate, must complete at least one semester of physical education and one semester of health. The department offers courses beyond these minimum standards and strives to provide an opportunity to build life-long skills and to learn sound principles of healthy living. All classes may incorporate a swimming unit, and health-related fitness components will be emphasized.

THE NEW HEALTH AND PHYSICAL EDUCATION REQUIREMENTS:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specifics</th>
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</thead>
<tbody>
<tr>
<td>1 credit</td>
<td>.5 credit - Health</td>
</tr>
<tr>
<td></td>
<td>.5 credit – Physical Education</td>
</tr>
</tbody>
</table>

Personal Curriculum Modification – if applicable
Substitute with
1 additional credit in ELA, Mathematics, Science or World Languages

091 FOUNDATIONS OF PHYSICAL EDUCATION
Credit .5/1.0 semester/year Grades 9 - 12
This is a course that addresses what students need to know and be able to do to manage their activity in ways that maximize their overall well-being. The course equips students to apply the skills and concepts associated with engaging in lifelong activity. Students acquire the knowledge and experience essential to monitoring their personal health-related fitness levels. Course topics that will be covered are fitness principles, strength training, swimming, basketball, racket sports, jogging/power walking, and golf. Other areas of concentration may include: football, floor hockey, handball, lacrosse, softball, speedball, and volleyball.

025 HEALTH EDUCATION
Credit 0.5/semester Grades 9 - 12
This class provides an informational and practical learning situation for developing life-long healthful living. Areas of concentration will include: HIV/Aids, suicide, stress, personality, self-esteem, diet and nutrition, physical activity and inactivity, smoking, drugs and alcohol, sexual activity and legal consequences; influence of media, culture, and technology, goal-setting, decision making skills, interpersonal communication skills, and health promotion and disease.

005 INDIVIDUAL SPORTS
Credit 0.5/semester Grades 10 - 12
Recommended: Foundations of Physical Education. Students will rotate through a series of individual activities with the focus on the health-related components of physical fitness. Areas of concentration will include: tennis, golf, badminton, bowling, table tennis, paddleball, swimming, and fitness principles.

007 TEAM SPORTS
Credit 0.5/semester Grades 10 - 12
Recommended: Foundations of Physical Education. Students will rotate through a series of team activities with the focus on the health-related components of physical fitness. Included with each sport will be an opportunity for students to officiate by class-generated rules. Areas of concentration will include: touch football, lacrosse, basketball, handball, soccer, floor hockey, softball, swimming sports, and fitness testing.

031 WEIGHT TRAINING
Credit 0.5/semester Grades 10 - 12
This class provides students an opportunity to learn life-long strength and fitness training. It teaches students to organize, initiate, and sustain an individual strength development program. Proper safety and lifting techniques are stressed. Students will gain an increased knowledge of the human body.
042 AEROBIC EXERCISE
Credit 0.5/semester Grades 10 - 12
Aerobics will emphasize cardiovascular development and movement through individual and group presentations. Tae-Bo, step, and water aerobics will be implemented during the semester. Strength training, abdominal workouts, jogging, and power walking will also be highlighted.

010 ADVANCED PHYSICAL EDUCATION
Credit 0.5/semester Grades 10 - 12
Recommended: Foundations of Physical Education. A demanding, high performance class designed for various varsity athletes. Students will practice common training principles related to basketball, baseball, cross-country, football, lacrosse, softball, swimming, track and volleyball. Areas of concentration will include: cardiovascular endurance, muscular strength and endurance, proper diet and nutrition, and strategic game play.
Physical Education teacher signature required.

050 ADVANCED AQUATICS
Credit 0.5/semester Grades 10 - 12
Students will perform skills from levels V-VII of the American Red Cross Swimming program, learn fundamental diving skills; beginning lifesaving and lifeguarding skills; participate in aquatic games such as water polo, volleyball, basketball, and aerobics; and have an introduction to synchronized swimming and snorkeling.
Physical Education teacher signature required.

051 ARC LIFEGUARD CERTIFICATION
Credit 0.5/semester Grades 10 - 12
Prerequisite: Ability to swim 500 yards continuously using the crawl, breaststroke and sidestroke. Be able to submerge to a depth of 7 feet and retrieve a 10-pound object. Be able to tread water for 2 minutes. Be 15 years of age on or before the final scheduled session of the course. On successful completion of the course, the participants will receive 2 certificates: 1) American Red Cross Lifeguard Training Certificate and 2) American Red Cross CPR for the Professional Rescuer.
Physical Education teacher signature required.
Science is an integral part of a well-rounded education. The study of science helps build critical thinking and problem-solving skills that are essential in today's ever-changing and advancing society. Furthermore, all students, not just those interested in following a science-oriented career path, need a good science education. Students must complete at least three years of science to meet high school graduation requirements but are encouraged to take as many science courses as possible. College bound students are encouraged to complete four years of Honors or AP science courses.

THE NEW SCIENCE REQUIREMENTS:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specifics</th>
</tr>
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</table>
| 3 credits   | 1 credit - Biology  
1 credit – Chemistry or Physics  
1 additional credit, such as:  
Physics or Chemistry, Horticulture,  
Environmental Science, Anatomy/Physiology  
Health Occupations 1 & 2, Medical Assist 1 & 2 |

Personal Curriculum Modification – if applicable. No modification allowed

See Page 77 for Science related courses

4111/4112 BIOLOGY
Credit 1.0/year Grade 9
Biology is the study of life. This course covers the characteristics of living things, the chemical processes necessary for life, the diversity of life, the relationships of living things to the environment, and the effects of man on living things and the environment. This course covers the Michigan Science Standards recommended state requirements in Science and helps prepare students for the state proficiency exam.

4121/4122 HONORS BIOLOGY
Credit 1.0/year Grade 9
Prerequisite: Teacher recommendation. This course is intended for students who plan to pursue upper-level science courses. The course examines the interrelationships and diversities among all living things and the molecular structure on which life is based. This course extends beyond the Michigan Science Standards recommended state requirements in Science and further prepares students for the state’s competency exam.

4101/4102 AP BIOLOGY
Credit 1.0/year Grade 11 - 12
Prerequisite: Overall grade of “B” or better in Biology, and successful completion of Chemistry. Teacher recommendation required. (10th graders, with approval of instructor, may take AP Biology, but must meet the prerequisites of the course). This second year biology course is equivalent to a college-level introductory biology course. Major areas of study include molecules and cells, heredity and evolution, and organisms and populations. The major goals of this course are to help students develop a conceptual framework for modern biology and to help students gain an appreciation for science as a process. Laboratory experiments are also an integral component of this course. To enrich this course, both internet resources and e-mail communication will be used. Completion of this course will prepare students for the AP Biology exam. Students electing this course should be highly motivated, self-disciplined and inquisitive. Upon successful completion, students will have 0.5 honor points added to their grade.

4221/4222 CHEMISTRY
Credit 1.0/year Grades 10 - 12
Prerequisite: Successful completion of Biology or Honors Biology. Chemistry is the study of matter and its interactions. This course will provide students with an opportunity to work with chemical formulas, names, equations and reactions. Other concepts covered in this course will include atomic structure, matter classification, electron configuration, periodicity, chemical bonding, acid-base reactions and nuclear reactions. This course is designed around the Michigan Science Standards and will help prepare students for the state proficiency exam.
4251/4252 HONORS CHEMISTRY
Credit 1.0/year Grades 10 - 12
Prerequisite: Recommendation of teacher and a "C" or better in Biology or Honors Biology and Algebra 1. This is an advanced-level science course. This course will provide students with an opportunity to work with chemical formulas, names, equations, and reactions. Other concepts covered in this course will include atomic structure, matter classification, electron configuration, periodicity, chemical bonding, acid-base reactions, redox reactions, and thermo chemistry. This course extends beyond the Michigan Science Standards and prepares students for college science courses.

4241/4242 AP CHEMISTRY
Credit 1.0/year Grades 11 - 12
Prerequisite: Course instructor recommendation, successful completion of Honors Chemistry. This second year chemistry course is equivalent to a college-level inorganic chemistry course. Topics such as the structure of matter, the kinetic theory of gases, chemical equilibria, chemical kinetics and the basic concepts of thermodynamics will be presented in considerable depth. Laboratory experiments are also an integral component of this course. Students in this class will have 0.5 honor points added to their grade. Completion of this course will prepare students for the AP Chemistry exam. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon successful completion, students will have 0.5 honor points added to their grade.

4311/4312 PHYSICS
Credit 1.0/year Grades 10 - 12
Prerequisite: Successful completion of either Biology or Chemistry. Physics is the study of how things work. This course is for students who want to be exposed to the ideas and the language of physics. Algebra and geometry are useful for this course. Physics covers the Michigan Science Standards in science and prepares students for the state’s competency exam.

4321/4322 HONORS PHYSICS
Credit 1.0/year Grades 10 - 12
Prerequisite: Concurrently enrolled in Algebra 2 (1 year). This is an advanced level course. Topics covered include motion, forces, energy, fluids, heat, thermodynamics, electricity, magnetism, sound, light, optics, nuclear physics, and relativity. This course extends beyond the Michigan Science Standards in Science and further prepares students for the state’s competency exam. Algebra and trigonometry are emphasized in the class.

4343/4344 AP PHYSICS 1
Credit 1.0/year Grades 11 - 12
Prerequisite: Enrolled in Algebra 2 (1 year) or Pre-Calculus. Physics is the foundation for engineering, but it is also essential for many science based professions, including many positions in the medical field. AP 1 covers Kinematics, Forces, Energy, Momentum, Rotational Motion, Torque, Gravitation, Waves, Sound, Simple Harmonic Motion, and Electric Circuits. AP Physics 1 is a great class for 1st year Physics students who excel in Math and Science. This course is specifically designed to be a 1st year Physics course, even though it is an AP course. Students will be prepared to take the AP Physics 1 exam, and if successfully accomplished, can be awarded college credit for the course. Upon successful completion of this class, students will have 0.5 honor points added to their grade. Completion of this course will prepare students for the AP Physics 1 exam. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon successful completion, students will have 0.5 honor points added to their grade.

4345/4346 AP PHYSICS 2
Credit 1.0/year Grades 11 - 12
Prerequisite: C or Better in AP Physics 1. Pre/co-requisite: current enrollment in Algebra 2 (1 year) or higher math course. AP Physics 2 is designed to be a first year physics course equivalent to a second semester college course in algebra-based physics. The topics of study include fluids, static electricity, electric current, magnetism, induction, thermodynamics, light, optics, and atomic physics. The course will help students to build thinking and reasoning skills through inquiry as well as teach the fundamentals of technical writing. There will be a strong emphasis on laboratory experiments and investigations as well as interpretation of data. Successful completion of this course will prepare students to take the AP Physics 2 exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined and inquisitive. Upon successful completion, students in this class will have 0.5 honor points added to their grade.
430  SPORTS PHYSICS
Credit 0.5/semester  Grades 10 - 12
Prerequisite: Successful completion of Biology and Algebra 1 (or equivalent). This is a one semester science course that provides students with a conceptual understanding of physics topics as they relate to sports. Topics covered will concentrate on the mechanics theme found normally in a first semester physics course.

4131/4132 ANATOMY AND PHYSIOLOGY
Credit 1.0/year  Grades 11 - 12
Prerequisite: Recommendation of teacher and a "C" or better in Biology or Honors Biology. This course is an in-depth study of the structure and function of living systems. This class is recommended for the student who may wish to pursue a career in the allied health or medical fields. Students should be prepared to dissect a variety of lab specimens.

4041 FORENSIC SCIENCE A
Credit 0.5/semester  Grades 11 - 12
Forensic Science is the application of basic biological, chemical, physics principles, and technological practices for the purposes of justice in the study of criminal and civic issues. Major themes of study in this course are Crime Scene Investigation, fingerprints, hair, fibers, drugs, toxicology and ballistics.
*Forensic Science A is NOT a prerequisite for B. Courses may be taken independently and in ANY order.

4042 FORENSIC SCIENCE B
Credit 0.5/semester  Grades 11 - 12
Forensic Science is the application of basic biological, chemical and physics principles and technological practices to the purposes of justice in the study of criminal and civic issues. Major themes of study in this course are Crime Scene Investigation, trace evidence, soil and glass analysis, biological fluids, DNA, blood spatter, entomology, human remains, and questioned documents/handwriting analysis.
*Forensic Science A is NOT a prerequisite for B. Courses may be taken independently and in ANY order.

414  ENVIRONMENTAL SCIENCE
Credit 0.5/semester  Grades 10 - 12
This course will survey environmental and ecological concepts. Topics to be covered include: ecosystems, biomes, and the impact of humans on water, land and air. Outdoor field experiences will be an integral part of the coursework. Independent and group activities will be emphasized. Students must be self-motivated and willing to work independently.

4143/4144 AP ENVIRONMENTAL SCIENCE
Credit 1.0/year  Grades 10 - 12
Prerequisite: Successful completion of, or concurrent enrollment in, Chemistry. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required for understanding in the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

416  EARTH & SPACE SCIENCE: ASTRONOMY
Credit 0.5/semester  Grades 11 - 12
Students will call on their science background to study the structure of planets and moons to the large scale structure of galaxies and the Universe. We will study the Moon, the planets, and the Milky Way Galaxy, as well as talk about Dark Matter and Energy, Black Holes, and the possibility of life in the Universe. A background in science and math is helpful.
494 SCIENTIFIC REASONING FOR COLLEGE & CAREER READINESS

This class is specifically focused on scientific reasoning enrichment which gives the student the essential skills to prepare for the SAT and for college and career. Course objectives include, but are not limited to:

- Employing multiple strategies to improve performance on standardized tests
- Exploring question styles and samples of the science portion of the SAT
- Investigating colleges and career choices that include scientific reasoning and researching the application process as well as the process in which to secure a loan.
- Practicing different types of study habits and skills for the needs of the individual student
A major goal of the social studies department is to help students understand the democratic principles under which we function. Another goal is to make students aware politically, historically, and socially of the world in which they live.

THE NEW SOCIAL STUDIES REQUIREMENTS:

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<tr>
<th>Requirement</th>
<th>Specifics</th>
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</table>
| 3 credits   | 1 credit – U.S. History  
|             | 1 credit – World History  
|             | .5 credit - Economics  
|             | .5 credit - Civics |

Personal Curriculum Modification – if applicable
After 2 credits, including Civics, substitute with 1 additional credit in ELA, Mathematics, Science or World Language

2101/2102 U.S. HISTORY
Credit 1.0/year Grade 9
This course will study post-Reconstruction through WWII. The first semester covers 1877 through WWII. The second semester covers the United States from the Cold War to the present including the Korean War, the Vietnam War and geography. This is a two semester required course for all Freshmen.

2103/2104 U.S. HISTORY HONORS
Credit 1.0/year Grade 9
A more demanding course than US History, Honors US History challenges students to explain and apply their reading, writing and interpretative abilities. Students read, study, respond to and/or write about a variety of topics in American History including foreign and domestic policies, social and economic changes, political developments and cultural movements. Emphasis will be placed on first-hand document analysis and argumentative writing within the curriculum. Other activities include projects, tests, quizzes, and opportunities for oral presentation.

223 GOVERNMENT (CIVICS)
Credit 0.5/semester Grade 10
This course deals with the study of American Government. Detailed attention is paid to the mechanics of American Government such as checks and balances, the constitution, judicial system, etc. The American Government course stresses current events, taking into consideration the role of the United States of America as a world leader. This is a REQUIRED social studies course.

235 ECONOMICS: INTEGRATED SOCIAL STUDIES
Credit 0.5/semester Grade 10
This course will describe and demonstrate how economic forces affect consumer and producer decisions. Students will focus on business organizations, trade, economic development, and governmental institutions and policies. Students will also be introduced to geographic perspectives that integrate with economic perspectives. This is a REQUIRED social studies course and is strongly recommended to be taken during the SOPHOMORE year. This course must be taken before the end of the first semester of the junior year.

2011/2012 WORLD HISTORY
Credit 1.0/year Grade 11
This course includes the study of more than 6000 years of World History. Topics include the study of Ancient Egyptians, Chinese, Greek and Roman Periods, Renaissance, Revolutions, WWI, WWII, Holocaust, and the World since 1945. All juniors must take a full year of World History or AP World History to satisfy state graduation requirements.
## 2081/2082 AP WORLD HISTORY

**Credit: 1.0/year**  
**Grades: 11 - 12**  
**Prerequisite:** A grade point average of 3.3. Lower grade point averages need teacher approval.  
AP World History is designed to prepare students for intermediate and advanced college courses by making demands similar to those of full-year college survey courses. In AP World History, students will develop a greater understanding of the nature of changes in the international frameworks and their causes and consequences, as well as comparisons among major societies. **All juniors must take a full year of World History or AP World History to satisfy state graduation requirements.** Upon successful completion, students in this class will have 0.5 honor points added to their grade.

## 2161/2162 AP UNITED STATES HISTORY

**Credit: 1.0/year**  
**Grades: 11 - 12**  
**Recommended:** A grade point average of 3.3. Lower grade point averages need teacher approval. The AP program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and weigh the evidence and interpretations presented in historical scholarship. An AP United States History course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. Students have the option of taking the College Board AP Exam in United States History. Success on this exam may result in college credit. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

## 2041/2042 AP GOVERNMENT (CIVICS)

**Credit: 1.0/year**  
**Grades: 10 - 12**  
**Prerequisite:** 3.3 GPA, students with a lower GPA must have teacher approval. The course will involve the study of American Government with a focus on the U.S. Constitution, the three branches of government and current problems that face the United States. Students will analyze and interpret current issues that face our nation’s government today. This course is designed to prepare students to take the AP exam in American Government to qualify to earn college credit. (NCAA) Upon successful completion, students in this class will have 0.5 honor points added to their grade.

## 2131/2132 AP ART HISTORY

**Credit: 1.0/year**  
**Grades: 11 - 12**  
**Prerequisite:** Teacher recommendation. This will be a two semester class with emphasis on understanding Western or European culture. This class is designed to prepare students for the AP examination given in May. Based on their score, students can receive college credit. A project paper is required. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

## 215 PRACTICAL LAW/GOVERNMENT 1 & 2

**Credit: 0.5/semester**  
**Grades: 11 - 12**  
**Prerequisite:** Teacher recommendation. Students will examine the legal system generally, then explore the similarities between sports and law; learn how the legal system works; and participate in a mock trial. In addition, students will explore basic issues within the areas of criminal law and family law, independently research an area of interest within the law, and examine current law-related events in the news.

**Available only at LCHS**

## 231 SOCIOLOGY

**Credit: 0.5/semester**  
**Grades: 11 - 12**  
Sociology is the study of human group relationships: religion, urbanization, values, socialization, and social change are discussed, paying particular attention to the relationship of present and projected behavior patterns. Emphasis is also placed on sociological methods of research. Each student is required to do a project on a topic of his choice.

## 245 PSYCHOLOGY

**Credit: 0.5/semester**  
**Grades: 11 - 12**  
Psychology is a one semester course that focuses on human behavior and includes the following topics: Levels of Consciousness, Principles of Learning, Human Development, Personality, Psychological Disorders, Socio-Cultural Influence, and Sport Psychology.
24511  PSYCHOLOGY 1
Credit 0.5/semester  Grades 11 - 12
Psychology 1 is a one semester course that introduces students to the scientific study of behavior and mental processes. This course introduces students to the main concepts of psychology: approaches to psychology, the workings of the mind and body, learning, the life span, personality, and psychological disorders. This elective course stresses the application of academic content to the student's life.
Pending DCC approval  
Available only at LCHS

24522  PSYCHOLOGY 2
Credit 0.5/semester  Grades 11 - 12
Prerequisite: Successful completion of Psychology 1. Psychology 2 is a one semester course completing the introduction to psychology. This course will focus on social psychology, consciousness, motivation, stress and health, and treatment of disorders. This elective course stresses the application of academic content to the student's life.
Pending DCC approval  
Available only at LCHS

2441/2442  AP PSYCHOLOGY
Credit 1.0/year  Grades 11 - 12
This is a challenging two semester course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology (www.collegeboard.com). In addition, students will have the opportunity to take the AP Psychology Exam in the spring. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2371/2372  AP HUMAN GEOGRAPHY
Credit 1.0/year  Grades 9 - 10
The purpose of this course is to expose students to the methods of analysis of patterns and practices that have affected understanding, use and alteration of the earth’s surface. Students are taught landscape analysis methods to examine human social organization and its environmental impact. The methods and tools geographers use in their science and practice are also explored. AP Human Geography is designed to prepare students for the AP Human Geography exam. Successful completion of the exam may earn the student college credit. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2381  AP MICROECONOMICS
Credit .5/semester  Grades 10 - 12
AP Microeconomics is the study of individual choices, markets, and consumers. The course will explore the nature and functions of product markets on topics such as vehicle pricing, market functions and consumer behavior. This course may be taken alone or in conjunction with AP Macroeconomics. This course can serve as the required economics course for sophomores and will include all state benchmarks. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2382  AP MACROECONOMICS
Credit .5/semester  Grades 10 - 12
AP Macroeconomics is the study of the economic system as a whole. Topics of study include national income and price-level determination as well as economic performance measures, the financial sector, economic growth, and international economics. This course may be taken alone or in conjunction with AP Microeconomics. This course can serve as the required economics course for sophomores and will include all state benchmarks. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

1741/1742  LEADERSHIP/MENTORING – SOCIAL STUDIES
Credit 1.0/year  Grade 12
Prerequisite: Application and Teacher Approval required
This course will emphasize leadership and facilitation skills. Students will be required to learn and teach specific concepts to freshman and/or sophomore students. These concepts include personal responsibility, managing school requirements, goal setting and social involvement in high school. Students in this class will learn activities and lessons to teach these skills during the advisory period.
Proficiency in a language is acquired after many years of study, contact and use. Therefore, students who truly wish to learn a language should begin early and complete as many courses before graduation as they are able. Four years of French, German, and Chinese are offered. Spanish is offered for six years. Students are required to take a minimum of a two year sequence of any language. They may elect to study two foreign languages at the same time; however, it is usually better to wait at least one year before beginning the second. The World Language department follows and integrates the 5 Cs – Communication, Cultures, Connections, Comparisons, and Communities, which are the National Standards for Foreign Language Learning.

World Language should be an integral part of the course study for all students, especially those who plan to attend college or technical schools, or who plan careers in our “global” business/industrial society. Each course listed will receive one credit per year. **FOUR years in a single language are recommended for Literature, Science, and the Arts Colleges.**

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<th>Course Code</th>
<th>Course Name</th>
<th>Credit</th>
<th>Grades</th>
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<tbody>
<tr>
<td>5311/5312</td>
<td>FRENCH 1</td>
<td>1.0/year</td>
<td>9 - 11</td>
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<tr>
<td>5511/5512</td>
<td>SPANISH 1*</td>
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<tr>
<td>5611/5612</td>
<td>GERMAN 1</td>
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<td>5711/5712</td>
<td>MANDARIN CHINESE 1</td>
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<td>5811/5812</td>
<td>ITALIAN 1</td>
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These beginning courses are devoted to developing the skills of listening, speaking, reading and writing. By working with the teacher, classmates, and recorded material, the student gradually learns to recognize and adapt text materials into everyday conversation. A variety of audio/visual aids and current technology are used to acquaint the student with the people and countries where the language is spoken. *Also offered for high school credit at all four of our middle schools.*

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<tr>
<td>5321/5322</td>
<td>FRENCH 2</td>
<td>1.0/year</td>
<td>9 - 12</td>
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<tr>
<td>5521/5522</td>
<td>SPANISH 2*</td>
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<td>5621/5622</td>
<td>GERMAN 2</td>
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<td>5821/5822</td>
<td>ITALIAN 2</td>
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Prerequisite: Successful completion of Course 1, or permission of the instructor. These second level courses again stress speaking and listening skills. The student continues to develop reading and writing abilities, as well as the finer points of grammatical structures. The student continues to explore the culture of the people who use the language. *Also offered for high school credit at all four of our middle schools.*

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<td>5331/5332</td>
<td>FRENCH 3</td>
<td>1.0/year</td>
<td>9 - 12</td>
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<tr>
<td>5531/5532</td>
<td>SPANISH 3</td>
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<td>5631/5632</td>
<td>GERMAN 3</td>
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<td>5731/5732</td>
<td>MANDARIN CHINESE 3</td>
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<td>5831/5832</td>
<td>ITALIAN 3</td>
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Prerequisite: Successful completion of Course 2, or permission of the instructor. These third level courses emphasize listening, speaking, and the mastery of more advanced grammatical concepts. The student develops the ability to talk on prepared topics and use the common expressions needed in everyday life. More time is spent on reading selections and on composition.
WORLD LANGUAGE

5341/5342  FRENCH 4
5541/5542  SPANISH 4
5641/5642  GERMAN 4
5741/5742  MANDARIN CHINESE 4
5841/5842  ITALIAN 4

Credit 1.0/year  Grades 10 - 12

Prerequisite: Successful completion of Course 3, or permission of the instructor. These level four courses are an extension of level three. The student should develop the ability to understand and communicate at a normal conversational tempo without obvious mistakes. More time will be spent on reading short stories and writing to improve composition.

5551/5552  SPANISH 5

Credit 1.0/year  Grades 11 - 12

Prerequisite: Successful completion of Course 4 or AP, or permission of the instructor. This level five hybrid course is an extension of level four or AP. The course will include extensive grammar review at an accelerated pace and continued vocabulary study. The student should develop the ability to understand and communicate at a normal conversational tempo without obvious mistakes. More time will be spent on reading and listening to authentic sources and speaking to improve fluency.

5561/5562  AP SPANISH

Credit 1.0/year  Grades 11 - 12

Prerequisite: Successful completion of Course 4 or Course 5 and permission of the instructor. The emphasis of this course will be the refinement and application of the skills acquired in previous Spanish courses. This course is conducted entirely in Spanish and assumes knowledge of Spanish grammar. It is designed for advanced and serious students. Students will write concise essays, record interpersonal oral presentations and discuss various topics in class that they have researched. Advanced college texts and authentic materials will be used. Upon successful completion, students in this class will have 0.5 honor points added to their grade.
The College Board provides examinations in the spring of the year that may be taken by students who complete Advanced Placement (AP) courses. If the student scores well enough on the exam, he or she may earn college credit. The number of credits and the areas in which they are granted varies from college to college. Students who are interested in pursuing this route should enroll in the most rigorous course of study beginning their freshman year.

165  AP ENGLISH LANGUAGE AND COMPOSITION (5)
Credit 1.0/year Grades 11 - 12
Prerequisite: Teacher recommendation is required. English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Summer work is required. Upon successful completion, students in this class will have 0.5 honor points added to their grade. Students are strongly encouraged to take the AP Exam.

166  AP ENGLISH LITERATURE AND COMPOSITION(5)
Credit 1.0/year Grade 12
Prerequisite: Successful completion of AP Language preferred, recommendation by instructor, or by special permission. This class is for the highly motivated student who wants challenging reading, writing, and thinking experiences and the opportunity to earn college credit by passing the AP test given each spring. Elected for one year, the course requires papers for each book read. Presentations and essays may be required. Summer work is required. Upon successful completion, students in this class will have 0.5 honor points added to their grade. Students are strongly encouraged to take the AP Exam.

2041/2042 AP GOVERNMENT (CIVICS)
Credit 1.0/year Grades 10 - 12
Prerequisite: 3.3 GPA, students with a lower GPA must have teacher approval. The course will involve the study of American Government with a focus on the U.S. Constitution, the three branches of government and current problems that face the United States. Students will analyze and interpret current issues that face our nation’s government today. This course is designed to prepare students to take the AP exam in American Government to qualify to earn college credit. (NCAA) Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2131/2132 AP ART HISTORY
Credit 1.0/year Grades 11 - 12
Prerequisite: Teacher recommendation. This will be a two semester class with emphasis on understanding Western or European culture. This class is designed to prepare students for the AP examination given in May. Based on their score, students can receive college credit. A project paper is required. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2081/2082 AP WORLD HISTORY
Credit 1.0/year Grades 11 - 12
Prerequisite: A grade point average of 3.3. Lower grade point averages need teacher approval. AP World History is designed to prepare students for intermediate and advanced college courses by making demands similar to those of full-year college survey courses. In AP World History, students will develop a greater understanding of the evolution of global processes and contact, including interactions over time. The course highlights the nature of changes in the international frameworks and their causes and consequences, as well as comparisons among major societies. All juniors must take a full year of World History or AP World History to satisfy state graduation requirements. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2441/2442 AP PSYCHOLOGY
Credit 1.0/year Grades 11 - 12
This is a challenging two semester course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology (www.collegeboard.com). In addition, students will have the opportunity to take the AP Psychology Exam in the spring. Upon successful completion, students in this class will have 0.5 honor points added to their grade.
2371/2372 AP HUMAN GEOGRAPHY
Credit 1.0/year, Grades 9 - 10
The purpose of this course is to expose students to the methods of analysis of patterns and practices that have affected understanding, use and alteration of the earth’s surface. Students are taught landscape analysis methods to examine human social organization and its environmental impact. The methods and tools geographers use in their science and practice are also explored. AP Human Geography is designed to prepare students for the AP Human Geography exam. Successful completion of the exam may earn the student college credit. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2161/2162 AP UNITED STATES HISTORY
Credit 1.0/year, Grades 11 - 12
Recommended: A grade point average of 3.3. Lower grade point averages need teacher approval. The AP program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and weigh the evidence and interpretations presented in historical scholarship. An AP United States History course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. Students have the option of taking the College Board AP Exam in United States History. Success on this exam may result in college credit. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2381 AP MICROECONOMICS
Credit .5/semester, Grades 10 - 12
AP Microeconomics is the study of individual choices, markets, and consumers. The course will explore the nature and functions of product markets on topics such as vehicle pricing, market functions and consumer behavior. This course may be taken alone or in conjunction with AP Macroeconomics. This course can serve as the required economics course for sophomores and will include all state benchmarks. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

2382 AP MACROECONOMICS
Credit .5/semester, Grades 10 - 12
AP Macroeconomics is the study of the economic system as a whole. Topics of study include national income and price-level determination as well as economic performance measures, the financial sector, economic growth, and international economics. This course may be taken alone or in conjunction with AP Microeconomics. This course can serve as the required economics course for sophomores and will include all state benchmarks. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

370 AP CALCULUS AB
Credit 1.0/year, Grade 12
Prerequisite: “C” or above in Pre-calculus or teacher recommendation. This is a college-level course covering limits, derivatives, integration, and their applications. A graphing calculator, preferably a TI-83 or TI-84, is needed for this class. All students enrolled in this course are expected to take the AP examination in the spring (please see the section in this book on AP course offerings for more information.) Upon successful completion, students in this class will have 0.5 honor points added to their grade.

3707/3708 AP STATISTICS
Credit 1.0/year, Grades 11 - 12
Prerequisite: Algebra 2 or Pre-calculus. AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-Nspire graphing calculator, Fathom, Minitab statistical output, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

M3507/M3508 MST AP CALCULUS AB
Credit 1.0/year, Grade 12
See the F. V. Pankow Center Section for Course Description. Available only at the Pankow Center
L'Anse Creuse Public Schools Coursebook

AP COURSES

M3505/M3506  MST AP CALCULUS BC
Credit 1.0/year             Grade 12
See the F. V. Pankow Center Section for Course Description.            Available only at the Pankow Center

M3707/M3708 MST AP STATISTICS
Credit 1.0/year             Grades 11 - 12
See the F. V. Pankow Center Section for Course Description.            Available only at the Pankow Center

4101/4102  AP BIOLOGY
Credit 1.0/year             Grade 11 - 12
Prerequisite: Overall grade of “B” or better in Biology, and successful completion of Chemistry. Teacher recommendation required. (10th graders, with approval of instructor, may take AP Biology, but must meet the prerequisites of the course). This second year biology course is equivalent to a college-level introductory biology course. Major areas of study include molecules and cells, heredity and evolution, and organisms and populations. The major goals of this course are to help students develop a conceptual framework for modern biology and to help students gain an appreciation for science as a process. Laboratory experiments are also an integral component of this course. To enrich this course, both internet resources and e-mail communication will be used. Completion of this course will prepare students for the AP Biology exam. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon successful completion, students will have 0.5 honor points added to their grade.

4241/4242  AP CHEMISTRY
Credit 1.0/year             Grades 11 - 12
Prerequisite: Course instructor recommendation, successful completion of Honors Chemistry. This second year chemistry course is equivalent to a college-level inorganic chemistry course. Topics such as the structure of matter, the kinetic theory of gases, chemical equilibria, chemical kinetics and the basic concepts of thermodynamics will be presented in considerable depth. Laboratory experiments are also an integral component of this course. Students in this class will have 0.5 honor points added to their grade. Completion of this course will prepare students for the AP Chemistry exam. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon successful completion, students will have 0.5 honor points added to their grade.

4143/4144  AP ENVIRONMENTAL SCIENCE
Credit 1.0/year             Grades 10 - 12
Prerequisite: Successful completion of, or concurrent enrollment in, Chemistry. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required for understanding in the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

4343/4344  AP PHYSICS 1
Credit 1.0/year             Grades 11 - 12
Prerequisite: Enrolled in Algebra 2 (1 year) or Pre-Calculus. Physics is the foundation for engineering, but it is also essential for many science based professions, including many positions in the medical field. AP 1 covers Kinematics, Forces, Energy, Momentum, Rotational Motion, Torque, Gravitation, Waves, Sound, Simple Harmonic Motion, and Electric Circuits. AP Physics 1 is a great class for 1st year Physics students who excel in Math and Science. This course is specifically designed to be a 1st year Physics course, even though it is an AP course. Students will be prepared to take the AP Physics 1 exam, and if successfully accomplished, can be awarded college credit for the course. Upon successful completion of this class, students will have 0.5 honor points added to their grade. Completion of this course will prepare students for the AP Physics 1 exam. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon successful completion, students will have 0.5 honor points added to their grade.
**4345/4346  AP PHYSICS 2**

Credit 1.0/year

**Grades** 11 - 12

**Prerequisite:** C or Better in AP Physics 1. Pre/co-requisite: current enrollment in Algebra 2 or higher math course.

AP Physics 2 is designed to be a first year physics course equivalent to a second semester college course in algebra-based physics. The topics of study include fluids, static electricity, electric current, magnetism, induction, thermodynamics, light, optics, and atomic physics. The course will help students to build thinking and reasoning skills through inquiry as well as teach the fundamentals of technical writing. There will be a strong emphasis on lab experiments and investigations as well as interpretation of data. Successful completion of this course will prepare students to take the AP Physics 2 exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined and inquisitive. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

**M4627/M4628  MST AP BIOLOGY**

Credit 1.0/year

**Grades** 10 - 12

See the F. V. Pankow Center Section for Course Description. Available only at the Pankow Center

**M4227/M4228  MST AP CHEMISTRY**

Credit 1.0/year

**Grades** 11 - 12

See the F. V. Pankow Center Section for Course Description. Available only at the Pankow Center

**M4527/M4528  MST AP PHYSICS C**

Credit 1.0/year

**Grade** 12

See the F. V. Pankow Center Section for Course Description. Available only at the Pankow Center

**6103/6104  AP COMPUTER SCIENCE PRINCIPLES**

Credit 1.0/year

**Grade** 12

AP Computer Science Principles will introduce students to the creative aspects of computer programming, abstractions, algorithms, large data sets, internet safety, cybersecurity concerns, and computing impact on the global society. The curriculum covered through code.org includes: The internet, digital information, intro to programming, data & privacy, and building apps. AP Computer Science Principles gives students the opportunity to use current technologies to create artifacts for both self-expression and problem solving. Upon successful completion, students will have 0.5 honor points added to their grade.

**8351/8352  AP STUDIO ART**

Credit 1.0/year

**Grade** 12

**Prerequisite:** Previous semesters of art with focus on portfolio preparation and recommendation of the teacher. This class is designed for students who plan to prepare a portfolio for college credit. Students must complete either a Drawing portfolio, a 2-D portfolio or a 3-D portfolio by mid-May of their senior year. Upon successful completion, students in this class will have 0.5 honor points added to their grade.

**Available only at LCHS**

**859  AP MUSIC THEORY**

Credit 1.0/year

**Grades** 9 - 12

**Prerequisite:** Successful completion of Music Theory 1 and 2 and/or teacher approval. Advanced study of music theory and composition. Students will work in an intensive curriculum that is equivalent to the first full year (+) of university level music theory. Students will prepare for and take the College Board AP Music Theory Exam offered in the spring of each school year. This course is highly recommended for any student wishing to study music or any music related field beyond high school. Upon successful completion, students will have 0.5 honor points added to their grade.
SPECIAL PERMITS

183 DUAL ENROLLMENT
Credit 0.5/course Grades 11 - 12
For more information, see the section of the guidebook on Dual Enrollment on page 39.

185 DIRECTED STUDY
Credit 0.5/semester Grades 11 - 12
Prerequisite: A GPA of 3.0 or better in the departmental area for which a student is applying. Students are responsible to meet the guidelines outlined for the class and to report to their supervising teacher’s class daily. Students will be responsible for researching topics that relate directly to objectives outlined in the course syllabus. Students may be asked to share their research with students in other classes to which their research topic pertains.
Student success using online instruction requires individuals who are motivated, self-directed learners. Students applying for permission to take a virtual course shall complete all prerequisites and provide teacher/counselor recommendations to confirm that the student possesses the maturity level needed to function effectively in an online learning environment. The expressed approval of the principal must be obtained before a student may enroll in a virtual course.

Online classes may be used to take advanced courses not currently offered in the L’Anse Creuse high school curriculum or as an alternative for medically required homebound instruction, or in cases of unavoidable scheduling conflicts. Students who meet the requirements below for virtual courses may be eligible for district provided tuition. If the class is part of a student’s seven-hour schedule and falls within the approved guidelines, the district will pay the tuition cost. For 8th hour classes and beyond, the student is responsible for tuition and all costs associated with the class.

Following are the guidelines that govern online instruction:

1. High school students in grades 9 – 12 are eligible.

2. All courses must generate credit, be pre-approved by the building principal and approved by a regional accreditation agency.

3. High school students are limited to two online courses per semester and a maximum of three (3) units of academic credit toward graduation requirements.

4. Students must be enrolled in and attending at least four (4) traditional high school classes in order to take a virtual class during the school day.

5. Enrollment will only be approved to: a) advanced classes not currently being offered in the L’Anse Creuse Public Schools curriculum; b) as an alternative for medically required homebound instruction, or c) unavoidable scheduling conflicts.

6. A certified staff member will be assigned to each student as a mentor and will provide support service for each student enrolled in online course work. The staff member will be responsible for evaluation of any final exam or project to determine student success in the course. The course and mentor teacher’s name must appear on the student’s class schedule.

7. While some coursework may be completed online outside of school, exams will be taken at school under the supervision of the mentor or other staff member.

SEE YOUR COUNSELOR FOR THE COMPLETE ONLINE LIST
The L’Anse Creuse Special Education Department provides a full range of services to students who have been designated by an Individual Educational Planning committee as having need of unique educational programming.

Four levels of service are available:

1. A Teacher Consultant serves students who are scheduled full time in regular educational classes. The Teacher Consultant provides a variety of supportive services depending on the individual needs of each student. These services students in two ways:
   - **DIRECT SERVICE:** Provides service to students who are scheduled full-time in regular educational classes. These services vary depending on the individual needs of each student.
   - **CONSULTATIVE SERVICES:** Meet with the general education teachers in assigned departments to develop individual plans and adaptations for students who have been scheduled in general education classes, without support in compliance with their I.E.P. The general education teacher will carry out these plans and adaptations.

2. **CO-TAUGHT CLASSES** are offered in several subject areas. In these classes a regular education teacher and a special education teacher team to provide content-area classes.

3. **RESOURCE ROOM CLASSES** are provided for students with greater academic needs. Small class sizes, special materials, and individual attention maximize student progress.

4. Full time **Special Education Programming** is available for students with severe learning and/or behavior problems who have difficulty achieving in a more traditional classroom setting.
Career and Technical Education

Course Descriptions
WELCOME!!

The Frederick V. Pankow Center's Career and Technical Education (CTE) Programs are designed to provide all students completing the Michigan education system with the necessary academic, technical, work behavior, knowledge, and skills for success in a career of their choice and lifelong learning.

We provide the knowledge and skills leading to initial employment and / or further education and training upon high school completion. All are offered under the guidance of certified CTE instructors, counselors, cooperative (externship) education coordinators, and a Career Pathway facilitator.

All Career and Technical Education programs follow the district's policies of non-discrimination on the basis of race, color, religion, sex, national origin, age, height, weight, marital status, handicap or disability in all activities and employment. In addition, arrangements can be made to ensure that the lack of English language skills is not a barrier to admission or participation.

Career and Technical Education (CTE) classes at the Frederick V. Pankow Center are designed for a one-year or two-year period and are geared for sophomores, juniors and seniors. Students who successfully complete a one or two year program are welcome to return for a third year of training in a different class to enhance their career goal. Students who successfully complete Pankow CTE courses have the opportunity to waive college credit through articulation agreements.

We have many business and industry partnerships that may result in excellent apprenticeship opportunities for our students. Additionally, our externship (formerly co-op) program is available to any L'Anse Creuse, Richmond, or private school student who attends the Pankow Center.

For general information about Career and Technical Education

Contact:

Mr. Dean Sabelhaus, Associate Director for Pankow Center
Frederick V. Pankow Center
24600 F.V. Pankow Blvd.
Clinton Township, MI 48036-1306
sabelde@lc-ps.org
586-783-6570
Choosing Your Career Pathway

Arts & Communications

The Arts & Communications pathway will provide students with opportunities to recognize their talents and develop their interest in the humanities, performing, visual, literary, and media arts in preparation for postsecondary education and lifelong enrichment.

- Do you like to draw, paint, or visually depict what you see or imagine?
- Do you especially enjoy working with your hands?
- Do most people think of you as being creative?
- Do you often see things in a different way from other people?
- Do you like to communicate ideas?
- Do you like being in front of people singing, acting, or playing an instrument?

If you answered “yes” to any of these questions, this may be the career path for you!

Business Management & Marketing Technology

Within the Business and Management and Marketing Technology pathway, students will study core academic and elective classes with a focus on careers related to the business world.

- Do you like to work with computers & technology?
- Do you enjoy being a leader, organizing people, planning activities, and talking with people?
- Do you enjoy selling an idea or product?
- Are you interested in money management?
- Do you enjoy selling an idea or product?
- Do you like to work with numbers or ideas?
- Can you show initiative?

If you answered “yes” to any of these questions, this may be the career path for you!

Engineering / Manufacturing & Industrial Technology

Within the Industrial and Engineering pathway, students will study core academic and elective classes with a focus on careers related to the technologies necessary to design, develop and maintain physical systems.

- Are you curious about how things work?
- Do you like to make or repair things?
- Do you enjoy problem solving and creative thinking?

If you answered “yes” to any of these questions, this may be the career path for you!
Choosing Your Career Pathway

Health Services

Students in the Health Services career pathway will be prepared to pursue post-secondary education leading to a full range of careers in the medical and health care field.

- Do you like working in a fast paced, changing environment?
- Do you enjoy working with and helping people?
- Do you enjoy science and lab work?

If you answered “yes” to any of these questions, this may be the career path for you.

Human Resources & Public Administration

The Human Resources and Public Administration career pathway will provide students with the technical and problem solving skills necessary to increase academic competencies, to strengthen communication and interpersonal skills, and to develop collaborative partnerships in order to promote lifelong learning and achievement.

- Are you friendly, outgoing, and cooperative?
- Do you like to work with people to solve problems?
- Is it important to you to make things better for other people?

If you answered “yes” to any of these questions, this may be the career path for you!

Natural Resources & Agriscience

Students participating in the Natural Resources and Agriscience career pathway will increase their academic and technological competencies, strengthen their understanding of the natural world, and begin to develop the skills required in related occupational fields.

- Are you interested in wildlife, animals, parks, or forestry?
- Are you curious about the physical world and concerned about the environment?
- Do you like being outdoors?
- Do you like to observe, learn, investigate, or solve problems?

If you answered “yes” to any of these questions, this may be the career path for you!
Graduation Requirements Reference Sheet

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**NOTE:** Pankow Course Offerings can be used as a substitution for 1 graduation requirement per school year. No “double-dipping.” For example: Sports Medicine/PT/OT taken in a student’s senior year cannot be counted for math-related AND 2nd year of Foreign Language. It can be substituted for only 1 of these graduation requirements.

**X**: with an approved personal curriculum

- Any state approved CTE course can be substituted for 3rd credit of Social Studies
- Any state approved CTE course can be substituted for Health Education

**X**: with an approved personal curriculum

- English: Broadcast Journalism can be substituted for 3rd credit of Social Studies if it’s being taken in addition to another English course (5th English course over 4 years)
Career and Technical Education (CTE) classes at the Frederick V. Pankow Center are designed for a one year or two year period and are geared for sophomores, juniors and seniors. Students who successfully complete a one or two year program are welcome to return for a third year of training in a different class to enhance their career goal. Students who successfully complete Pankow CTE courses have the opportunity to waive college credit through articulation agreements. We have many business and industry partnerships that may result in excellent apprenticeship opportunities for our students. Additionally, our externship (co-op) program is available to any L’Anse Creuse, Richmond, or private school student who attends the Pankow Center.

9011/9012 AUTO COLLISION & REFINISHING
Credit 2.0/year
Grades 10 – 11 - 12

Recommended courses: 2 years English, Math, and Science; purchase an Auto Collision & Refinishing Notebook. Students must wear safety glasses – first pair provided. This approved NATEF / ASE / AYES (National Automotive Technicians Education Foundation/Automotive Service Excellence/Automotive Youth Education Systems) program teaches students the fundamentals of auto collision repair and refinishing. It also includes instruction on damage repair and metal finishing, paint preparation, welding, surface preparation and refinishing. Students will also have the opportunity to learn basic estimating and cost analysis.

This program is certified by the following organizations:
- NATEF (National Automotive Technicians Education Foundation) Certified Program
- AYES (Automotive Youth Education System) Certified Program connected through the Detroit Automotive Dealers Association (D.A.D.A.).

NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program.

903 AUTOMOTIVE TECHNOLOGY 1
Credit 2.0/year
Grades 10 -11 - 12

Recommended courses: 2 years English, Math, and Science.
REQUIRED: Purchase an Automotive Technology notebook. Student must wear safety glasses – first pair is provided.

Are you looking for a class where you can get your hands dirty? How about a class where you can turn your love of cars into a rewarding career? Or are you just looking for a class that will help you save hundreds of dollars on auto repairs by learning to do them yourself? If you answered yes to any of these questions, then Automotive Technology 1 is right for you.

In Auto 1 you will learn the basics of automotive care. Starting with shop safety, tool usage, and general service facility operations, you will learn to understand the duties of an “Auto Tech.” As you progress you will study the components and functions of three major automotive systems:
- Brakes
- Steering & Suspension
- Internal Combustion Engine

Available only at the Pankow Center

904 AUTOMOTIVE TECHNOLOGY 2
Credit 2.0/year
Grades 11 -12

Prerequisite: Automotive Technology 1.
Recommended courses: 2 years English, Math, and Science.
REQUIRED: Students must wear safety glasses – first pair is provided.

This advanced automotive course is geared toward giving students the skills they will need to gain entry-level employment in the automotive service industry or 100 level college courses. Course work focuses on automotive electronics, electrical systems and engine drivability, course safety, maintenance, tool usage, heavy equipment operations and all areas of automotive repair and repair facility operations. Automotive Technology 2 offers automotive theory with “hands-on” experience. Skill levels for testing and ASE / STATE (Automotive Service Excellence) certification can be achieved upon completion of Automotive Technology 2. TIA certification can be earned in class.

This program is certified by the following organizations:
- TIA (Tire Industry Association)
- NATEF (National Automotive Technicians Education Foundation) Certified Program.
- AYES (Automotive Youth Education System) Certified Program.

NOTE: Students with 2 years of Auto Technology classes must complete 1 year of on the job training for ASE Certification.

NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program.
9081/9082 CONSTRUCTION TECHNOLOGY

Credit 2.0/year  Grades 11 - 12

REQUIRED: **Students are REQUIRED to provide their OWN TRANSPORTATION to the home and/or construction site.**

Students will need to have a basic set of carpentry tools to complete this course.

Recommended courses: Drafting, 2 years Math – including Algebra and Speech.

This course is designed to give students the opportunity to develop skills related to the various building/construction trades. Practical, hands-on experience, as well as classroom instruction in: residential rough and finish carpentry, plumbing, drywall installation and repair, commercial carpentry, roofing, cabinet making, electrical wiring, painting, and ceramic tile will give the student exposure to the variety of opportunities in the building trades field. Job safety and instruction on proper handling of hand and power tools will be taught and expected as part of the course. Basic math, as well as builder’s math, will be learned through daily instruction and homework. Students interested in pursuing a career in the building trades – whether as tradesmen, construction managers, engineers, architects, or designers would benefit from completion of a two-year program in Construction Technology. Attendance is very important in order to be accepted by apprenticeship programs following graduation.

NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program.

9151/9152 CRIMINAL JUSTICE 1

Credit 2.0/year  Grades 10 - 11 - 12

Recommended courses: The Law and Your Rights, Practical Law, 2 years English, Math, and Science.

This is the first of a two year course designed to prepare students who have an interest in one of the numerous careers in law related fields and emergency services. Students will be introduced to Michigan criminal law and its applications, police procedures, police administration, criminal investigations, court procedures, first-aid/CPR, firefighting, and the criminal justice system as a whole. Students will become familiar with employment opportunities of local agencies. Externships will be made available, for students who qualify, with those working in law enforcement. College credit can be earned with a “B” average in this course. NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program.

9153/9154 CRIMINAL JUSTICE 2

Credit 2.0/year  Grades 11 - 12

Prerequisite: Criminal Justice 1 Recommended courses: 2 years English, Math, and Science.

This is the second year of a two year course designed to prepare students who have an interest in one of the numerous careers in law related fields and emergency services. Students will be offered one of the two following options:

1. **Online learning** – students will work on a series of assignments, designed to build upon the foundations build in CJ1 through blackboard, either in class or from their home. Assignments will address common core English standards as the students work through a series of texts describing various experiences of Criminal Justice professionals. Students may be offered the opportunity to do a portion of their work from home, in lieu of attending scheduled classes. Weekly labs will be assigned in the classroom setting. These labs will develop skills introduced in CJ1.

2. **Dual Enrollment** – students are enrolled at Macomb Community College for one class each semester. Students will attend the college courses in lieu of regular attendance at the Pankow Center.

College credit can be earned with a “B” average in this course.

NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program.

9311/9312 C# PROGRAMMING AND GAME DESIGN

Credit 2.0/year  Grades 10 - 11 - 12

Recommended courses: Two years English and Math. As technology evolves and video gaming becomes a more prevalent form of entertainment, more creative video game designers are becoming necessary in the workforce. This course is designed to provide students with the fundamental understanding of the Visual C# programming language. It will be covering logic, syntax, input/output layout, testing, database interaction, debugging and documentation with a heavy emphasis on problem solving. The bulk of the programming will be done with an emphasis on video game design. Students will learn how to interact with their customers or superiors, design, and test simple puzzle games to more complex adventure type games. This course will cover everything from design to coding and finally testing. Any student is welcome, whether they have previous programming experience or not. Program will start with the basic and work up from there. NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program.
9101/9102 CULINARY ARTS 1
Credit 2.0/year Grades 10 -11

Recommended courses: 2 years English, Math, and Science.
Culinary Arts 1 is designed to provide students with fundamental skills and understanding that are required for obtaining entry-level positions in the hospitality and culinary industry. Through academic lectures, personal study, hands-on training, and instructional demonstrations, students will learn and practice the basic techniques of dining room service and kitchen food preparations. During this first course, the following competencies will be covered:

- Food Safety & Sanitation
- Use & Care of Food Service Equipment
- Food Identification & Nutrition
- Dining Room Training/Customer Service
- Career Opportunities in Food Service
- Industry Standards, Regulations & Law
- Culinary Math
- Knife Skills
- Knives, Kitchen Tools & Small Wares Use
- Food Specifications, Handling & Fabricating
- Meats, Seafoods
- Fruits & Vegetables
- Intro to Hot Food, Cold Food & Bakeshop Cooking
- Lab Activities & Hands-on Kitchen Production

NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program

9131/9132 CULINARY ARTS 2
Credit 2.0/year Grades 11 - 12

Prerequisite: C+ or better in Culinary Arts 1.
Recommended courses: 2 year English, Math, and Science.
Culinary Arts 2 further develops the student's skills and understanding by building upon the basic fundamentals learned in their first year. The focus of the program for the second year will be to refine the competencies already learned and to challenge them with new and more difficult tasks. Second year students will also be assigned leadership roles in the class to help in the training of first year students. This position will give them an opportunity to learn and practice management skills by mentoring other students. They will further sharpen their culinary experience by practicing the skills they have already learned and in turn, introduce those skills to first year students. Second year students will build a portfolio containing certificate achievements and activities they have participated in and completed in class. The second year course in culinary arts will include the following competencies:

- Menu and Facility Planning
- Stocks, Soups & Sauces
- Plate Design & Food Presentations
- The Principal Cooking Methods
- Advanced Baking & Pastries
- Food & Labor Cost Control
- Hospitality & Tourism
- Catering & Banquette Presentation
- Breakfast, Lunch & Dinner Cooking
- Appetizers, Hors D’oeuvres & First Courses
- Catering & Banquette Presentation
- Employment-Cover Letters, Resumes & Job Interviewing

NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

Externship eligible program

7711/7712 DRAFTING/CAD
Credit 2.0/year Grades 9 -12

The course covers the basic fundamentals of technical design. Students will learn technical representation drawing and computer aided design. Units of study include, but are not limited to: technical drawing, architectural design, 3D modeling, engineering and production blueprints, manufacturing processes, computer aided manufacturing, auto body design, and scale modeling. The course is housed in a manufacturing shop environment which will be utilized as needed.

Drafting/CAD is a 1-semester, 2 class period offered at the Pankow Center. With instructor approval, a student may take a second semester. To do so, returning students would agree to an assigned leadership role within the class while completing rigorous independent projects based off their prior experiences in semester one.

Note: Successful completion of this course may be used toward fulfilling the high school graduation credit requirements of Visual, Performing, orApplied Art, or as an elective credit.
9091/9092  EDUCATION: EARLY CHILDHOOD  

Credit 2.0/year  Grades 10 - 11 - 12  

Prerequisite: An interest in teaching children and exploring the field of education and an overall GPA of a “C” or better.  

Recommended courses: Child Development and 2 years English, Math, and Science:  
This course provides classroom training in the licensed “Teens for Tots” Preschool with approximately 20 preschool children (ages 3/12 to 5 years) from the surrounding community. Students act as “Student Teachers” in training, developing, and performing age appropriate lessons with the preschool children. Students will compile a professional portfolio to use in college or employment. Students can work toward their CDA and continue their CDA portfolio at the college level.  

Note: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts and as a Math-Related Credit as a Senior.  

Externship eligible program.  

Available only at the Pankow Center  

Note: Students who complete the 1st year of Education: Early Childhood as a junior, and who wish to continue to further their studies in the Early Childhood career path, may have the option for a Dual Enrollment course in Early Childhood Education at L'Anse Creuse Public Schools Coursebook. Students interested in studies beyond Pankow’s Education Program will need to meet requirements for dual enrollment. If interested, please see your counselor.  

1397/1398 ENGLISH: BROADCAST JOURNALISM  

Credit 2.0/year  Grades 10 - 12  

Prerequisite: Successful completion of TV & Broadcast Media or permission of the instructor.  
SportsCenter, Chopped, TMZ, and the Dr. Oz Show all share a common thread. They are based on the foundations of Broadcast Journalism. In this course, students learn to create their own studio productions based on their interests in sports, food, entertainment, medicine, education, as well as local, national, and international news. Students will focus on researching subjects in their area of interest, interviewing experts in that area, and creating unique films that highlight their interests in the form of field productions and mini-documentaries. This is a writing course that offers students a unique way to publish their work for 21st century consumers.  

Note: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts. It can also be applied toward the 12th grade English graduation requirement.  

Available only at the Performing Arts Center  

9605/9606 FOOD SCIENCE  

Credit 2.0/year  Grades 11 - 12  

Food science is a second year course in the Horticulture sequence. The class focuses on agriculturally oriented foods that are better tasting, healthier, and affordable, while promoting food safety. Students will develop food products from the produce grown in the greenhouse, process, package and market the products (such as tea, potpourri, and dried herbs). Topics covered include: food safety, world food problems, livestock and meat judging, sensory evaluation of herbs and flavors (aroma, sight, and taste), nutrition, world hunger, and current food related topics such as GMOs. The National FFA Student Organization, leadership, communication, teamwork skills, and other personal development skills are a part of this course. First year students directly involved in agriculture may take this class with permission from the instructor. NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.  

9181/9182 GRAPHIC ARTS AND DESIGN TECHNOLOGY  

Credit 2.0/year  Grades 10 - 11 - 12  

Recommended Courses: Basic drawing, basic painting, basic 3-D exposure, basic color theory, and/or basic math skills  
This course is designed to educate students in the most current phases and practical applications of commercial art and commercial printing, while introducing students to the ‘new world’ of Graphic Arts and Design Technology. The GADT program is meant to provide students with the basic knowledge of traditional and contemporary trends via simple business-in-art strategies. In addition to continuing skill development in drawing and design practice through biweekly sketchbook assignments, the GADT program will explore styles and methods to create eye-catching illustrations, page layouts, graphic designs, and digital photographic retouching. Students will be exposed to many types of software programs that include: Adobe Illustrator CC, Adobe Photoshop CC, Adobe InDesign CC, and Adobe After Effects CC. This course is conducted in a professional business-like atmosphere, studying real world jobs with realistic deadlines. The GADT program will prepare students for postsecondary education and potential entry-level employment opportunities in commercial art. With instructor approval, a student may attend GADT for a second year with the focus on portfolio building in preparation for postsecondary education or employment opportunities.  

Notes: - Articulation agreements are held with Macomb Community College, Ferris State University, and Davenport University.  
- Adobe software certification tests are available. Pankow will pay for any student who successfully completes the course.  

Externship eligible program.  

Available only at the Pankow Center
9601/9602 HORTICULTURE SCIENCE
Credit 2.0/year Grades 10 - 11 - 12
Recommended Courses: Algebra, Biology
Horticulture Science is a hands-on class that focuses on floral design, basic landscape design, and greenhouse management. Students gain experience in floral design, (including corsages, basic arrangements, and holiday arrangements), greenhouse management, plant propagation including tissue culture, hydroponics, nursery and landscape management, landscape design, and integrated pest managements. Students will have the opportunity to manage the class floral shop and retail greenhouse. Students can participate in the FFA, a student organization that promotes leadership and technical skills. NOTE: Successful completion of this course fulfills the following high school graduation requirements: Credit in Visual, Performing, or Applied Arts OR the third science requirement
Externship eligible program

9061/9062 HVAC/CLIMATE CONTROL
Credit 2.0/year Grades 10 - 11 - 12
The heating, ventilation, & air conditioning (HVAC) course is designed to give students the opportunity to develop skills related to residential and commercial climate control technologies. Practical, hands-on experience, as well as classroom instruction in gas forced-air, boilers, radiant/hydronic, geo-thermal, and water heating systems at a survey level is the focus of this course. Job safety and instruction on the proper handling of power and hand tools will be taught and expected as part of the course. Basic math, as well as related trades math will be learned through class instruction and on-the-job application. A basic set of tools is provided by LCPS and is required to be worn in this course when in the lab area. Students interested in pursuing a career in the field of HVAC whether as tradesmen, construction managers, engineers, architects, or designers would greatly benefit from completion of a one year program in HVAC/Climate Control Technology.
Externship eligible program

9171/9172 JAVA PROGRAMMING
Credit 2.0/year Grades 10 - 11 - 12
Recommended courses: Two years English, Math, and Science. This course is designed to provide students with the fundamental understanding of detailed programming language. It will be covering syntax including decisions, loops, arrays, strings, and simple graphics JAVA programming, flow charts, literacy, basic HTML (Hyper Text Mark Up Language), JAVA script, hardware and software terminology, computer ethics and documentation with a heavy emphasis on problem solving. Students will learn how to interact with their customers or superiors, design interfaces for business applications and code simple games. Students will also learn how to utilize databases with their applications in order to create a viable, working program for their final project. Any student is welcome, whether they have previous programming experience or not. Programming will start with the basics and work our way up from there. NOTE: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.
Externship eligible program.

9023/9024 MECHATRONICS
Credit 2.0/Year Grades 10 -12
Mechatronics is a multidisciplinary field of engineering that includes a combination of systems such as: engineering, mechanical engineering, electrical engineering, telecommunications engineering, control engineering, and computer engineering. The objectives of this course will include subfields of these major disciplines that include but are not limited to: electronics, hydraulics, programming, robotics, machining, and collaborative project development. These topics will be addressed through a variety of academic modules and hands-on activities.
This course will also serve as a feeder to the district’s FIRST Robotics team. FIRST Robotics is an unparalleled educational experience that involves all of the above mentioned objectives as well as team building, business management, and marketing, Students involved in FIRST Robotics throughout the world enjoy greater access to high paying and satisfying careers.
Note: Successful completion of Mechatronics may be used toward fulfilling the high school graduation credit requirements of Visual, Performing, or Applied Art or other graduation requirements following a consultation with a guidance counselor.

Available only at the Pankow Center
### L'Anse Creuse Public Schools Coursebook

### FREDERICK V. PANKOW CENTER

**9421/9422 MEDICAL ASSISTING**

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<th>Credit</th>
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<td>2.0/year</td>
<td>10 - 12</td>
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Course recommended for 12th grade students. **Student not eligible to take if they have successfully completed Health Occupations 1.**

**Recommended courses:** 2 years English, Math, and Science. Medical Assisting is a year-long class that prepares students for entry level positions in doctors' offices, clinics, and hospitals. This course will focus on basic human anatomy, medical terminology, and medical ethics. Hands-on skills will include taking vital signs, drawing blood, testing blood and urine, sterilizing equipment, setting up and assisting with examinations and minor surgical procedures, performing CPR and first aid, and doing EKGs. Front office procedures such as scheduling appointments, filing, coding, and health insurance claims will also be introduced. **Students must be 18 years old to take National Certification exam**

**NOTE:** Successful completion of this course fulfills the following high school graduation requirements: Credit in Visual, Performing, or Applied Arts OR the third science requirement

**Available only at the Pankow Center**

**9441/9442 MEDICAL INVESTIGATIONS**

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<td>2.0/year</td>
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Medical Investigations is a yearlong course. This program will provide students with an explorative path into diagnostic health careers with an emphasis on clinical (laboratory) skills and procedures. Examples of skills include: microbiology (plate streaking and gram staining of bacteria), microscopy (compound microscope), hematology (ABO blood typing, blood cell identification), and micro-pipetting. In addition, students will learn about teamwork, safety, communication, legal issues, employability and information technology as it relates to the field of healthcare.

**NOTE:** Successful completion of this course fulfills the following high school graduation requirements: Credit in Visual, Performing, or Applied Arts OR the third science requirement

**Available only at the Pankow Center**

**9071/9072 PC SERVICING & NETWORKING**

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<td>2.0/year</td>
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**Recommended courses:** 2 years of English, Math, and Science.

The PC Servicing & Networking course is designed for students who have an interest in computers, networking and the Internet. We explore the inner components of your computer, the software and operating systems that run them and connections that bind them. We discuss the latest trends in the ever-changing technologically-infused world and prepare for them. Students who take this course will learn how computers operate, as well as how to trouble-shoot, repair, upgrade, and maintain them. Students will also learn basic computer networking skills including how computer networks operate, how to properly connect and configure networks, and how the Internet operates globally. Computer networking is a growing field with great opportunities for growth and advancement. Students completing this one-year course will have the skills necessary to attain an entry-level position in the information technology industry. Students will also be prepared to industry recognized certification exams from CompTIA. College credit can be earned with a “B” average in this course.

**NOTE:** Successful completion of this course fulfills the following high school graduation requirements: Credit in Visual, Performing, or Applied Arts OR the third science requirement

**Available only at the Pankow Center**

**9481/9482 SCIENCE: HEALTH OCCUPATIONS 1**

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<th>Credit</th>
<th>Grades</th>
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<td>1.0/year</td>
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**Prerequisite:** Biology. **Student not eligible to take if they have successfully completed Medical Assisting.**

Health Occupations 1 provides students with transferrable skills to help meet the needs of the health care industry. First year students explore occupations in health care. They will study anatomy, physiology, and medical terminology, and learn with a hands-on approach. Entry-level medical skills are covered. During second semester, Red Cross First Aid and CPR certifications are offered. A two-week study of forensic science is also covered.

**NOTE:** Successful completion of this course fulfills the following high school graduation requirements: Credit in Visual, Performing, or Applied Arts OR the third science requirement

**Externship eligible program.**

**Available only at the Pankow Center**
9431/9432 SCIENCE: HEALTH OCCUPATIONS 2
Credit 2.0/year Grades 11 - 12
Prerequisite: Health Occupations 1 and good attendance.
Recommended: Seniors concurrently taking anatomy and physiology.
REQUIRED: **Students taking Health Occupations 2 are REQUIRED to provide their OWN TRANSPORTATION to health care facilities. Students will need a pair of scrubs for job shadow rotations.** Health Occupations 2 is a yearlong course. Students will learn about teamwork, communication, safety, legal issues, employability, and information technology as it relates to the field of Health Care. Hands-on activities help students to learn medical skills and renew CPR certification. Students that meet the necessary requirements will be provided with the opportunity to job-shadow multiple health care professionals at various settings in our community. This course will help students prepare for entry-level positions in health care and explores additional requirements needed for more advanced careers in the medical field.
NOTE: Successful completion of this course fulfills the following high school graduation requirements: Credit in Visual, Performing, or Applied Arts OR the third science requirement.

Externship eligible program.

9451/9452 SPORTS MEDICINE, PHYSICAL THERAPY & OCCUPATIONAL THERAPY
Credit 2.0/year Grades 10 - 12
Are you interested in a career in rehabilitative medicine? Join us at Pankow to explore your options, while learning entry level skills. Topics to be covered will include: Patient care and mobility, prevention of injuries, ambulation techniques, range of motion activities, anatomy, and physiology with an emphasis on musculoskeletal, medical terminology, legal and ethical issues, communications, teamwork, OSHA safety standards, first aid, and CPR skills. Qualifying students will have the opportunity to participate in a job-shadowing experience.
NOTE: Successful completion of this course fulfills the following high school graduation requirements: Credit in Visual, Performing, or Applied Arts OR the third science requirement.

1677/1678 TV AND BROADCAST MEDIA
Credit 2.0/year Grades 9 – 12
If you enjoy making videos or just want to play with some top notch technology, this program can help put you in the middle of the lights, cameras, and actions. TV & Broadcast Media is a course where students have the opportunity to create unique video projects in a state of the art television studio. This is a course where students learn by DOING. Students produce numerous videos – from basic Public Service Announcements to Mini-Movies. Students film on HD cameras and DSLR’s, then edit their masterpieces on the latest iMac computers. In the TV studio, students operate a teleprompter, video switcher, 24 channel soundboard, and HD studio cameras. This course emphasized a hands-on approach to skill development enhanced with the latest literature on Television Production. Students learn to use Final Cut Pro editing software, Motion Graphics, Keynote, Garage Band, Compressor, and other software used in the industry. The course is designed to prepare students to explore careers in Television Production, and to develop the essential skills for employment in this field. Students who receive a C or higher can receive articulation credit with Macomb Community College, or $2500 off tuition at Specs Howard. This course may be taken more than once. Students who succeed in this course may be considered for Broadcast Journalism.
Note: Successful completion of this course fulfills the high school graduation requirement for a credit in Visual, Performing, or Applied Arts.

9871/9872 STUDENT EXTERNSHIP
Credit: 1.0/semester 2.0/year Grades 11 - 12
Prerequisite: Concurrent enrollment in a CTE program. The Externship program is designed to give all Career & Technical Education (CTE) students an opportunity to work a part-time job after school related to their CTE course. The externship is open to juniors and seniors who are taking a CTE class (at Pankow or their home high school) and would like to earn credit for experiencing real life situations in that career field. The student’s progress is supervised & evaluated by the student externship coordinator and employer each marking period. Externship is scheduled outside the 6-period school day allowing for students to earn additional elective credit towards their graduation totals.
NOTE: The student must be at least 16 years of age and working a minimum of 150 hours per semester to earn the 1.0 credit. Students must meet daily classroom requirements, work in accordance with all state and federal labor laws, and have a training agreement in place.

Available only at the Pankow Center
9971/9972 WORK BASED LEARNING (WBL)

Credit: 1.0/semester  2.0/year                        Grades  11 - 12

Prerequisites: Previous and/or concurrent enrollment in a CTE program related to the job; 2.5 GPA in that CTE course work; prior job or Externship experience; Good attendance and discipline record; Reliable transportation. The Work based Learning (WBL) Program is designed to give selected Career & Technical Education (CTE) students an opportunity to work a part-time job related to their field of study during the 6-period school day. Seniors are eligible to apply for WBL if they have successfully completed all CTE curriculum related to their job (with 2.5 minimum GPA in that course work). Student’s progress is supervised & evaluated by the WBL coordinator and employer each marking period. WBL is scheduled into the 6-period day in place of LCPS courses - similar to dual enrollment or online courses. Students are eligible to be released 5th and 6th hour allowing them to potentially start work at 12:00pm.

NOTE: The student must be at least 17 years of age and working a minimum of 150 hours per semester to earn a letter grade and 1.0 credit. Students must meet daily classroom requirements, work in accordance with all state and federal labor laws, and have a training agreement in place. All WBL applications must be approved by Pankow administration.
The L’Anse Creuse Public Schools Math, Science, and Technology (MST) Program, housed at the F.V. Pankow Center, is a rigorous and accelerated four-year high school curriculum designed to challenge and inspire the district’s most academically talented students and prepare them to succeed in the college or university of their choice. MST courses emphasize understanding and applying ideas. Students are encouraged to develop skills in critical thinking, problem solving, and teamwork. MST students have the opportunity to investigate mathematical and scientific methods through discovery learning with deductive and inductive reasoning, experiments, and research projects. Elements of the program that extend the curriculum beyond that of a traditional classroom include:

- Accelerated mathematics and science courses
- Enhanced study of course content
- Integrated mathematics, science, and technology instruction
- Activities and exercises outside the classroom that extend learning
- Classroom settings with flexible time periods that encourage group work
- Differentiated teaching methods and strategies
- Increased interaction among students and staff
- Participation in content-area competitions

Students are selected for the MST program in the spring of their eighth grade year. Students who are enrolled in an accelerated 8th Grade Algebra 1 course in the four L’Anse Creuse middle schools, as well as local private and parochial schools, are eligible to apply. Selection is determined by academic record, performance on achievement and aptitude tests, teacher recommendation, and an essay.

M3207/M3208 MST HONORS GEOMETRY
Credit 1.0/year       Grade 9
Prerequisite: Invitation from the Math, Science, and Technology (MST) Program based upon high achievement in Algebra 1, standardized test scores, demonstrated interest and motivation, and the recommendation of the Algebra 1 and Science teachers

Geometric thinking offers alternate ways of reasoning mathematically beyond Algebra, including analytical and spatial reasoning. This course includes the study of points, lines, planes, angles, reasoning, proof, parallel lines, perpendicular lines, congruent triangles, relationships in triangles, proportion, similarity, right triangles, trigonometry, quadrilaterals, transformations, circles, areas of polygons, areas of circles, surface area, volume and constructions. Students will be actively engaged in investigations through lecture and cooperative groups. Algebraic concepts are frequently integrated into this course. Technology includes the use of scientific calculators and graphing calculators, with an emphasis on learning skills that will be applied in Algebra 2, Precalculus, and AP Calculus.

Available only at the Pankow Center

M3307/M3308 MST HONORS ALGEBRA 2
Credit 1.0/year       Grade 10
Prerequisite: MST Teacher Recommendation

The increasing use of quantitative methods in all disciplines has made Algebra the fundamental tool for mathematical applications. This course builds upon concepts presented in Algebra 1 and introduces new topics that will be studied in Precalculus. Students are expected to have a firm understanding of linear functions and linear systems and be familiar with quadratic and exponential functions. More advanced studies include absolute value, quadratic, polynomial, exponential, logarithmic, rational, radical, and trigonometric functions. Other topics include matrices, conic sections, probability and statistics, and sequences and series. Students will be actively engaged in investigations through lecture and cooperative groups. Technology includes the use of scientific calculators and graphing calculators, with an emphasis on learning skills that will be applied in Precalculus and AP Calculus.

Available only at the Pankow Center
M3407/M3408 MST HONORS PRECALCULUS

Credit 1.0/year                Grade 11

Prerequisite: MST Teacher Recommendation

The study of the topics, concepts, and procedures of Precalculus deepens students’ understanding of algebra and extends their ability to apply algebra concepts and procedures at higher conceptual levels. The theory and applications of trigonometry and functions are developed in depth. New mathematical tools, such as vectors and polar coordinates, are introduced, with an eye toward modeling and solving real-world problems. This course includes the study of functions and graphs, with a focus on polynomial, rational, exponential, logistic, logarithmic, and trigonometric functions. It also includes the study of analytic geometry (conics), discrete mathematics (probability, statistics, sequences and series, and mathematical induction) and an introduction to calculus. Students will be actively engaged in investigations through lecture and cooperative groups. Technology includes the use of graphing calculators, with an emphasis on learning skills that will be applied in AP Calculus.

Available only at the Pankow Center

M3507/M3508 MST AP CALCULUS AB

Credit 1.0/year                Grade 12

Prerequisite: MST Teacher Recommendation

AP Calculus AB is equivalent to a one-semester college-level calculus course. AP Calculus is primarily concerned with developing students’ understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Technology will be used regularly, so a graphing calculator is required. This course is taught at a college level, and students should be prepared for the rigor. AP Calculus begins with the study of functions, graphs, and limits. These topics provide the foundation for the in-depth study of derivatives, integration, and their applications. Successful completion of this course will prepare students to take the AP Calculus AB exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon completion of this course, students will have a 0.5 honor point added to their grade.

Available only at the Pankow Center

M3505/M3506 MST AP CALCULUS BC

Credit 1.0/year                Grade 12

Prerequisite: MST Teacher Recommendation

AP Calculus BC is equivalent to a first-year college-level calculus course. AP Calculus is primarily concerned with developing students’ understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Technology will be used regularly, so a graphing calculator is required. This course is taught at a college level, and students should be prepared for the rigor. AP Calculus begins with the study of functions, graphs, and limits. These topics provide the foundation for the in-depth study of derivatives, integration, and their applications. AP Calculus BC also incorporates the study of parametric, polar, and vector derivatives, as well as a study of sequences and series from a calculus perspective. Successful completion of this course will prepare students to take the AP Calculus BC exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon completion of this course, students will have a 0.5 honor point added to their grade.

Available only at the Pankow Center

M3707/M3708 MST AP STATISTICS

Credit 1.0/year                Grades 11-12

Prerequisite: MST Teacher Recommendation

The purpose of the AP course in statistics is to introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Unlike other traditional courses in mathematics, writing skills are utilized frequently in order to support those conclusions. Technology will be used regularly, so a graphing calculator is required. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Successful completion of this course will prepare students to take the AP Statistics exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon completion of this course, students will have a 0.5 honor point added to their grade.

Available only at the Pankow Center
M4127/M4128 MST HONORS BIOLOGY
Credit 1.0/year              Grade 9
Prerequisite: Invitation from the Math, Science, and Technology (MST) Program based upon high achievement in Algebra 1, standardized test scores, demonstrated interest and motivation, and the recommendation of the Algebra 1 and Science teachers
MST Honors Biology is an advanced-level introductory biology course. This freshman-level course meets and expands upon the Next Generation Science Standards (NGSS) in biology. Topics of study include how living things assimilate and use energy, respond to their environment, maintain a relatively constant internal environment, possess an inherited information base encoded in DNA, reproduce, are composed of one or more cells, and are highly organized compared to inanimate objects. This course is designed to prepare students for the successful transition to MST AP Biology. In addition, MST Honors Biology incorporates scientific research, technical writing, and advanced-level technologies.

Available only at the Pankow Center

M4227/M4228 MST HONORS CHEMISTRY
Credit 1.0/year              Grade 10
Prerequisite: MST Teacher Recommendation
MST Honors Chemistry is an advanced-level introductory inorganic chemistry course. This sophomore-level course meets and expands upon the Next Generation Science Standards (NGSS) in chemistry. Topics of study include atomic structure, scientific measurement, chemical nomenclature, chemical bonding and classification, stoichiometry, chemical forces, gas laws, acid-base reactions, kinetics, electrochemistry, and thermochemistry. This course is designed to prepare students for the successful transition to MST AP Chemistry. In addition, MST Honors Chemistry incorporates scientific research, technical writing, and advanced-level technologies.

Available only at the Pankow Center

M4327/M4328 MST HONORS PHYSICS
Credit 1.0/year              Grade 11
Prerequisite: MST Teacher Recommendation
MST Honors Physics is an advanced-level introductory physics course. This course meets and expands upon the Next Generation Science Standards (NGSS) in physics. Topics of study include kinematics, dynamics, energy, momentum, oscillations, fluids, heat/thermodynamics, electricity/magnetism, waves, sound, light, optics, and atomic/nuclear physics. This course also focuses on the problem solving, data analysis, and technical writing skills necessary for a smooth transition into MST AP Physics C.

Available only at the Pankow Center

M4627/M4628 MST AP BIOLOGY
Credit 1.0/year              Grades 10-12
Prerequisite: MST Teacher Recommendation
MST AP Biology is equivalent to a first-year college-level introductory biology course. Topics covered support the four Big Ideas and seven Science Practices required by the AP College Board. These topics include evolution and diversity, energy and molecular structure, living systems and life processes, and biological systems. This course will help students develop critical thinking, technical writing, and problem solving skills through inquiry methods. Laboratory experiments and scientific investigations using advanced-level technologies are integral components of this course. Successful completion of this course will prepare students to take the AP Biology exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon completion of this course, students will have a 0.5 honor point added to their grade.

Available only at the Pankow Center
M4727/M4728 MST AP CHEMISTRY
Credit 1.0/year Grades 11-12
Prerequisite: MST Teacher Recommendation
MST AP Chemistry is equivalent to a first-year college-level inorganic chemistry course. Topics covered support the six Big Ideas and seven Science Practices required by the AP College Board. These topics include matter & chemical reactions, chemical structure, properties & forces, chemical changes & electron transfer, kinetics, intermolecular forces & dynamic equilibrium, and thermodynamics. This course will help students develop critical thinking, technical writing, and problem solving skills through inquiry methods. Laboratory experiments and scientific investigations using advanced-level technologies are integral components of this course. Students are required to maintain a comprehensive lab notebook that is modeled after a college laboratory course. Successful completion of this course will prepare students to take the AP Chemistry exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon completion of this course students will have a 0.5 honor point added to their grade.

M4527/M4528 MST AP PHYSICS C
Credit 1.0/year Grade 12
Prerequisite: MST Teacher Recommendation
Corequisite: Enrollment in AP Calculus
MST AP Physics C is equivalent to a first-semester college course in calculus-based physics. This course is intended for students planning to major in science, engineering, or STEM fields at the college level. Topics of study include kinematics, dynamics, work, power, energy, momentum, rotation, oscillations, and gravitation. This course will help students develop critical thinking, technical writing, and problem solving skills through inquiry methods. Laboratory experiments and scientific investigations using advanced-level technologies are integral components of this course. Successful completion of this course will prepare students to take the AP Physics C: Mechanics exam. Students who receive a passing score on this exam may earn college credit. Students electing this course should be highly motivated, self-disciplined, and inquisitive. Upon completion of this course, students will have a 0.5 honor point added to their grade.
The L'Anse Creuse Public School district provides a program, which offers the opportunity for students to experience an integrated curriculum in theatre arts and application based coursework. The curriculum of the Performing Arts Center is specifically designed for students with an interest in developing an in-depth knowledge of their art.

1337/1338 ENGLISH 9 (PERFORMING ARTS) (3,4)
Credit 1.0/year Grade 9
A more demanding course, English 9 challenges students to explain and apply their reading, writing and interpretative abilities. Students read, study, respond to and/or write about a variety of literary genre including short story, poetry, myths, essays and non-fiction. In addition, students will explore various themes such as Rites of Passage, Heroes and Courage, Decisions and Consequences, Family Ties, and Illusion and Reality, using novels, drama and related, shorter pieces of literature applying multi-genre thematic units of instruction. Writing instruction will be emphasized; grammar and vocabulary instruction will take place in context of students’ reading and writing. Other activities include projects, tests, quizzes and opportunities for oral presentation.
Must be taken with Theatre 9: Performing Arts
Available only at the Pankow Center

1247/1248 THEATRE 9 (3,4)
Credit 1.0/year Grade 9
Theatre 9 will build the foundation for acting as well as some opportunities for backstage work. The progression of the course will be specifically tailored to meet these needs beginning with terminology, vocal exercises, body exercises, improvisations, speeches, monologues, scenes, on camera work, and headshots culminating with one first semester performance and one second semester performance. Additionally, there may be guest speakers, field trip(s) and other related activities.
Must be taken with English 9: Performing Arts
Available only at the Pankow Center

1367/1368 ENGLISH 10 (PERFORMING ARTS) (3,4)
Credit 1.0/year Grade 10
Prerequisite: Two semesters of English 9: Performing Arts or the permission of the Acting/English instructor at Pankow.
American Literature chronologically surveys authors and works from the pre-colonial era to the 21st century as well as their historical contexts and applications to the present. Essays, poetry, short stories, plays, nonfiction and novels by major American authors are read and studied. Activities in this academic course include: reading and discussing daily assignments, quizzes, projects, tests, and opportunities for oral presentations. As students advance their composition skills, they will be required to write in varied genre including interpretive and analytical papers.
Must be taken with Theatre 10: Performing Arts
Available only at the Pankow Center

1257/1258 THEATRE 10 (3,4)
Credit 1.0/year Grade 10
Theatre 10 follows up on the foundation for acting presented in Theatre 9. This course is an intermediate level acting course that provides the students with a variety performance experiences and provides additional opportunities to master a range of acting techniques and stagecraft concepts. Course content includes instruction and practice in 1) pre-performance activities: voice production, movement, material selection and written analysis; 2) a variety of performances: comedic monologues, two-character dramatic scenes and camera work; 3) listening skills: audience etiquette, evaluation, and constructive criticism; and 4) appreciation of various theatrical forms: discussion, evaluation and written analysis of plays seen and read. Theatre 10 is a yearlong project oriented class. There will be very few tests or quizzes, a moderate amount of reading and writing and a great deal of performing. A performance for a group outside of the class each semester is one of the major goals.
NOTE: Must be taken with section 1367/1368 English 10: Performing Arts
Available only at the Pankow Center

1347/1348 ENGLISH 11 (PERFORMING ARTS) (3,4,5)
Credit 1.0/year Grade 11
Prerequisite: English 10: Performing Arts or the permission of the Acting/English instructor at Pankow.
The interested student will gain an overall view of dramatic literature, including sampling from different genres and time periods. A brief theatre history will include samplings from ancient Greek, Europe & the U.S. - 19th Century, Modern Theatre, 1875-1915 ; Europe/ U.S. Between the Wars; Europe and the U.S., 1940-68; and Drama After 1968. These classic and contemporary plays will be explored through class readings, written analysis, and performances. Literary papers will be written and the semester will conclude with each student writing and performing an original monologue or scene. Imaginative writing may include daily journals, poetry, sketches, personal narratives, short stories, drama and a portfolio project of revised and illustrated works. Oral reading of assignments and peer group editing will be required as well.
Must be taken with Theatre 11: Performing Arts
Available only at the Pankow Center
**PERFORMING ARTS CURRICULUM**

**The Frederick V. Pankow Center**

1267/1268 THEATRE 11 (3,4)

Credit 1.0/year  
Grade 11

Prerequisite: Theatre 10 students must receive permission from instructor to continue in the Pankow Performing Arts program. If seats are available, students outside the Theatre 10 class can enter the Pankow Performing Arts program with permission from the instructor through an audition/interview. This course is an advanced level acting course. The students will have detailed scene study that emphasizes character development and an actor's objective. Students will choose, develop and perfect auditioning monologues both comedic and dramatic. Students will begin to work their on-camera acting technique. All major productions will be in the John Armstrong Performing Arts Center and the Black Box Theatre 500. Students will also be exposed to technical elements of theatre to better prepare them for possible career opportunities in front of and behind the scenes within the performing arts. There will be guest lecturers and field trips. The students will prepare professional acting resumes and sit for headshots. Teamwork, listening skills, ability to take direction, and other attributes necessary for successful productions as well as preparation for possible artistic careers will be emphasized and expected. After school rehearsals will be necessary prior to major productions and all students are required to attend.

Must be taken with section English 11: Performing Arts

Available only at the Performing Arts Center

8617/8618 PA DANCE 1 (Dance at the Beginner Level)

Credit 2.0/year  
Grades 9 – 12

REQUIRED: Performance participation, dance clothing and jazz shoes

**NOTE:** This is a 2-hour block, year-long class

This course is designed to enhance the student’s knowledge of dance as a performing art. Students will learn introductory dance movements in modern, ballet, and jazz techniques. Units of learning will include: terminology, nutrition, injury prevention, composition, and dance history. Students will develop kinesthetic techniques to improve their levels of flexibility, coordination, posture, and balance. Attendance at rehearsals and performances outside of class is required. Students are to provide their own personal dance clothes and jazz shoes. This course can fulfill graduation requirement for physical education and/or performing and applied arts. Student has choice which option to fulfill.

Available only at the Performing Arts Center

8717/8718 PA DANCE 2 (Dance at the Intermediate Level)

Credit 2.0/year  
Grades 9 – 12

REQUIRED: Performance participation, dance clothing and jazz shoes

**NOTE:** This is a 2-hour block, year-long class

Prerequisite: Placement audition is required for Dance 2. This course is designed for students with previous dance training. This course reinforces more advanced dance techniques in modern, ballet, and jazz. Students will build upon previous dance experience, knowledge, and training. Units of learning will include the study of technical and locomotor elements, creative expression, terminology, history and choreographic concepts. Attendance at rehearsals and performances outside of class is required. Students are to provide their own personal dance clothes and dance shoes. This course can fulfill graduation requirement for physical education and/or performing and applied arts. Student has a choice which option to fulfill.

Available only at the Performing Arts Center

8817/8818 PA DANCE 3 (Dance at the Advanced Level)

Credit 2.0/year  
Grades 9 – 12

Prerequisite: This performance-based yearlong course is designed for students who are at an advanced dance level in jazz and ballet, and will include Dance Composition. Instructor approval is mandatory. This course is designed for students who have achieved a high degree of skill and explores different dance styles. It focuses on detailed aspects of dance techniques at an accelerated pace. This course will dive into the art of choreography. Space, shape, rhythm and dynamics will be explored. Units of learning include formation development, transitions, music editing, terminology, history, injury prevention, editing and composition. This course can fulfill graduation requirement for physical education and/or performing and applied arts. Student has choice which option to fulfill.

Required: Rehearsal and performance participation, dance clothing and jazz shoes

Available only at the Performing Arts Center