

The background features abstract geometric shapes. A large, dark blue trapezoidal shape points to the right, containing the main text. Above it is a lighter blue trapezoidal shape. Below the dark blue shape is a red trapezoidal shape pointing to the right. The overall design is modern and clean.

# **The L'Anse Creuse Math, Science, and Technology Program**

A World of Opportunities



**“High expectations and belief in people lead to high performance so very often belief creates fact.”**

Paul Hersey – American author, behavioral scientist, and entrepreneur





## What is the Pankow Center?

**A diverse community with multiple programs and curriculums:**

- Math, Science, and Technology (MST)
- Performing Arts (PA)
- Career and Technological Education (CTE)
- Cognitively Impaired (CI)





# MST Staff and Teachers

- **Mr. Haas** – Director for Pankow Center
- **Mrs. Gole** – CTE / Co-Director for Pankow Center
- **Ms. Merkel** – Counselor for Pankow Center

## ■ 9<sup>th</sup> Grade Teachers

- ▷ **Ms. Missig** – Honors Biology and AP Biology
- ▷ **Mr. Nuechterlein** – Honors Geometry, AP Calculus AB, and AP Biology

## ■ 10<sup>th</sup> Grade Teachers

- ▷ **Mrs. Garmo** – Honors Chemistry and AP Chemistry
- ▷ **Mrs. Magneson** – Honors Algebra 2, AP Statistics, and AP Calculus AB

## ■ 11<sup>th</sup> Grade Teachers

- ▷ **Mr. Alef** – Honors Physics and AP Physics C
- ▷ **Mrs. Duncan** – Honors Precalculus\* and AP Calculus BC





## **Advantages of the MST Program**

**The MST Program offers a unique learning experience.**

- Enriched curriculum in areas of mathematics and science
- Cohort model with like-minded students in a small, collegiate environment
- Continued connection to home high schools through athletics, music programs, and other extracurricular activities
- Friendships with students from other schools to expand both social and academic support networks
- Innovative teaching methods
- Flexible scheduling; team-teaching approach





## **Advantages of the MST Program**

**The MST Program offers a unique learning experience.**

- Job shadowing
- Additional Advanced Placement (AP) courses not offered at the home schools
- Integrated SAT / ACT test prep in all courses
- Built-in academic support structures
- Student organizations (Pankow Leadership Council, Mu Alpha Theta, Science National Honor Society)
- College campus visits





## Comparing MST with the IAM

### Two great programs...which one is the right fit?

- We know parents and students often are considering both options.
- If you are considering both programs, be sure to read the handout posted on the MST Website that compares the two programs.
- Discuss the decision with your student, and together you can make the best choice for him or her!





## College Readiness – SAT Results Class of 2023

	Composite	Verbal	Math
Maximum	<b>1600</b>	<b>800</b>	<b>800</b>
State Avg.	<b>960</b>	<b>490</b>	<b>470</b>
County Avg.	<b>942</b>	<b>481</b>	<b>461</b>
MST Avg.	<b><u>1279</u></b>	<b><u>623</u></b>	<b><u>656</u></b>
IAM Avg.	<b>1226</b>	<b>614</b>	<b>612</b>





## College Readiness – Scholarships

### Scholarships Awarded to MST Students

- MST students have self-reported scholarships they were awarded from various universities each year. Through the first decade of graduating classes (2009-2019), the annual average amount of scholarship money awarded to MST students is over:

**\$2,000,000**





# College Readiness

## In-State Colleges and Universities Attended by MST Graduates

- Adrian College
- Albion College
- Central Michigan University
- Eastern Michigan University
- Ferris State University
- Grand Valley State University
- Kettering University
- Lawrence Technological University
- Michigan State University
- Michigan Technological University
- Oakland University
- Sienna Heights University
- University of Michigan
- Wayne State University
- Western Michigan University





## College Readiness

### Out-of-State Colleges and Universities Attended by MST Graduates

- Arizona State University
- Boston University
- Bowling Green University
- Brown University
- Butler University
- Case Western Reserve University
- Columbia College (Chicago)
- Cornell University
- DePaul University
- Massachusetts Institute of Technology
- North Carolina State University
- Northeastern University (Boston)
- Purdue University
- United States Naval Academy
- University of Alabama
- University of Central Florida
- University of Chicago
- University of Miami (Ohio)
- University of Toledo





## MST Alumni Feedback

In the spring of 2021, Ms. Missig conducted research that included feedback from 91 MST alumni. Former MST students were asked to rate their level of satisfaction in several areas from 1 (not satisfied) to 5 (extremely satisfied). Averages are displayed below:

I would choose MST again .....	4.75
I felt supported by teachers.....	4.68
I felt comfortable in my classes.....	4.53
The MST program had a family atmosphere.....	4.49
The level of difficulty prepared me for college .....	4.45
The pacing prepared me for college .....	4.24
The workload prepared me for college .....	4.21





## MST Alumni Feedback

### Other comments from the alumni...

- I liked the smaller class sizes.
- I liked that as you went through the years you created bonds with the other kids in the class and also the teachers.
- I liked being able to take AP classes that were not offered at the high school.
- I liked how much effort the teachers put into helping you succeed.
- I liked how difficult it was because it did help me prepare well for college.





## MST Alumni Feedback

### Other comments from the alumni...

- I absolutely loved the family atmosphere of MST.
- I think the challenging, more difficult academics is an essential part of MST. It creates a space where 'high achieving' students can thrive and be challenged.
- I really enjoyed the atmosphere that the MST created. I really felt like I was surrounded by like-minded peers. Also, looking back on it now, I do feel like the skills that I learned at the MST provided me a strong basis for my STEM classes in college.





# MST Curriculum

## 9<sup>th</sup> Grade

- (1) MST Honors Geometry
- (2) MST Honors Biology

## 10<sup>th</sup> Grade

- (1) MST Honors Algebra 2
- (2) MST Honors Chemistry
- AP Biology (optional)
- AP Computer Science (optional)

## 11<sup>th</sup> Grade

- (1) AP Precalculus\*
- (2) MST Honors Physics
- AP Statistics (optional)
- AP Biology (optional)
- AP Chemistry (optional)
- AP Computer Science (optional)

## 12<sup>th</sup> Grade

- (1) AP Calculus BC, AP Calculus AB, or AP Statistics
- (2) AP Biology, AP Chemistry, or AP Physics C
- AP Computer Science (optional)





## Sample 9<sup>th</sup> Grade Schedule

Hour	Course	Location
1	MST Honors Geometry	Pankow Center
2	MST Honors Biology	Pankow Center
3	US History	Home high school
4	PE / Health	Home high school
5	English 9	Home high school
6	Elective	Home high school





# Logistics

## Transportation

- Bus service is provided to and from Pankow Center and the home school each day.







MST Student Speaker

**Matthew Kiewski**

Senior – L'Anse Creuse High School - North





## Application Process and Requirements

- Grade of B or better for both Semesters 1 and 2 for both 8<sup>th</sup> grade Algebra 1 and Science
- Submit an online **MST Application** form
  - ▶ Website: <http://www.lc-ps.org/schools/hs/pankow-center/academics/mst-program/>
  - ▶ QR Code: →
- **NWEA MAP test** (middle schools submit winter scores)
- **Online Teacher Recommendation Form** (Algebra 1)
  - ▶ Will be routed to each teacher when application deadline closes on **Friday, February 17, 2023.**
- **Online Teacher Recommendation Form** (Science 8)
  - ▶ Will be routed to each teacher when application deadline closes on **Friday, February 17, 2023.**







## Application Process and Requirements

### What if my child is NOT in 8<sup>th</sup> grade Algebra 1?

- Algebra 1 is a graduation requirement and a prerequisite for the MST Program.
- Students who would like to be considered for acceptance into the MST Program must successfully complete the *entire year* of Algebra 1 before Labor Day.
  - LCPS Summer School: Section of Algebra 1 at LCHS & HSN. Contact them for registration details.
  - Online Providers: Michigan Virtual, K-12, The Keystone School, Indiana University Online High School, etc. Both semesters of Algebra 1 must be successfully completed before Labor Day.





## Application Process and Timeline

### Current LCPS students

- Submit the online MST 9 Application no later than **Friday, February 17, 2023.**
- 8<sup>th</sup> grade Algebra 1 and Science teachers will receive a list of MST applicants they currently have in class. They will submit an online recommendation form for each applicant between **February 23-March 3, 2023.**
- Take the winter NWEA MAP test. Applicants' test scores will be forwarded to Pankow by the middle schools.
- Application decisions will be sent out to all students on or before **Friday, March 31, 2023.**





## Application Process and Timeline

### Non-LCPS students

- Submit the online MST 9 Application no later than Friday, February 17, 2023.
- 8<sup>th</sup> grade Algebra 1 and Science teachers will receive a list of MST applicants they currently have in class. They will submit an online recommendation form for each applicant between February 23-March 3, 2023.
- Take the NWEA MAP test:
  - Location: Frederick V. Pankow Center
  - Date and time: Thursday, March 9, 2023, at 3:00 PM
- Application decisions will be sent out to all students on or before Friday, March 31, 2023.





## For more information...

### Contact us!

- LCPS website: [www.lc-ps.org](http://www.lc-ps.org)
- John Haas – Director for Pankow Center
  - ▷ Email: [haasjo@lc-ps.org](mailto:haasjo@lc-ps.org)
- Ann Merkel – Counselor for Pankow Center
  - ▷ Email: [merkean@lc-ps.org](mailto:merkean@lc-ps.org)
- Chandler Missig – MST Biology Teacher
  - ▷ Email: [missich@lc-ps.org](mailto:missich@lc-ps.org)