



Modules for Each Grade:

Kindergarten:

Structure & Function: Exploring Design
Pushes & Pulls
Structure & Function: Human Body
Animal Algorithms
Sunlight & Weather
Living Things: Needs & Impacts

1st Grade:

Light & Sound
Observing the Sun, Moon, & Stars
Animal Adaptations
Animated Storytelling
Designs Inspired by Nature

2nd Grade:

Properties of Matter
Form & Function
The Changing Earth
Grids & Games
Living Things: Diversity of Life

3rd Grade:

Science of Flight
Forces & Interactions
Variation of Traits
Programming Patterns
Weather; Factors & Hazards
Life Cycles & Survival
Environmental Changes

4th Grade:

Computer Systems
Human Brain
Waves & Properties of Light
Organisms: Structure & Function
Earth: Past, Present, & Future
Earth: Human Impact & Natural Disasters
Energy Exploration

5th Grade:

Robotics & Automation
Robot Programming Challenge
Infection: Detection
Infection: Modeling & Simulation
Matter: Properties & Reactions
Ecosystems: Flow of Matter & Energy
Patterns in the Universe
Earth's Water & Unconnected Systems

What Is Project Lead the Way?

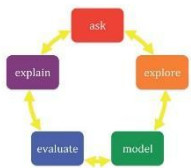


PLTW Launch's 42 modules immerse students in hands-on activities, projects, and problems that build upon each other and relate to the world around them. The curriculum

is aligned to grade-level standards in English language arts, math, science, and computer science. Each grade has modules that explore biomedical science, computer science, engineering, and science. Modules are accompanied by engaging fictional e-book stories – featuring Angelina, Mylo, and Suzi – that capture students' imaginations, introduce a design problem, encourage cross-disciplinary learning, and reinforce lessons.

PLTW Launch offers maximum flexibility and is designed to work in a variety of settings and scenarios.

PLTW Design Process



PLTW Launch Program uses and embeds scientific inquiry with the engineer design process. PLTW Launch embeds Core Standards of Language Arts and Math with Next Generation Science Standards and Computer Science

standards through an APB Approach to learning: Activity, Project, and Problem-Based Learning. Students will complete PLTW Modules in STEAM, the classroom, and the Computer Lab this year.



Our school has been named a Distinguished PLTW School! The PLTW Distinguished School Program Recognition is a one-year designation that emphasizes our commitment to helping our K-5 students unlock their potential and own their education by increasing student access, engagement, and achievement in their PLTW programs.



STEAM Website...All STEAM Information and

links can be found on our STEAM Mann Website. You can find this page easily by going to the Mann Website.

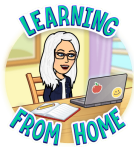


At the top right corner, click QUICK LINKS and choose STEAM Lab Website. Bookmark this page for easy access.



STEAM Enrichment Page-

Each week, STEAM-engaged activities will be posted. This is a great way for



students to engage in hands-on fun at home! Check it out! <https://bit.ly/3INBXTN>



Technology Tips-

Need assistance with Google, Classroom, Chromebooks, or Ipad? If so, check



our our Technology Tips page for helpful tips! <https://bit.ly/3pNI6Au>



JOIN our **Mann STEAM Facebook**



not, please do so! This is where I place friendly reminders, collection announcements, post pictures of student work, and STEAM resources/camps for your family to enjoy! [STEAM Mann Facebook](#)



STEAM Wishlist Items...

Want to contribute to our STEAM Lab. We would LOVE for you to send in the following:



- Paper Towel Tubes
- Toilet Paper Tubes

-2 Liter Bottles
Or look at our Wishlist Amazon items at our QR Code.



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Any Questions?



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