

On Monday, May 6, students from MCHS, MCMS, LIS, and LES participated in the annual PAECT Student Technology Showcase in Harrisburg. The showcase, located in the East Rotunda of the State Capitol Building, is held annually to present legislators and the public with the opportunity to learn how teachers and students are integrating technology into K-12 classrooms across the Commonwealth.

Website Info: <https://www.paect.org/Student-Showcase>

MCHS

Advisor:	Rebecca Conner
Project:	Design Challenges: Tiny Houses & Pinewood Derby
Description:	Computer Aided Drafting, Design and 3D Modelling II students were challenged to design and create tiny house models which showcased interior and exterior design attributes. For this assignment, students had two missions: Mission 1 - Design and fabricate a tiny home that is well designed, follows architectural codes and standards and is esthetically pleasing. Mission 2 - Design and fabricate interior design elements using 3D printing technologies. Technologies Utilized: Stratasys F170 3D Printer & Epilog Zing Laser Cutter/Engraver Software Programs Utilized: AutoDESK AutoCAD, AutoDESK Inventor, AutoDESK Revit, Adobe Illustrator
Participants:	Hunter Eckley, Zackary Snyder, Robert Haughwout, Hunter Packard, Colton Tyson, Chris Styers, Josiah Hughes

MCHS & LIS

Advisors:	Rebecca Conner and Emily Eckenroth
Project:	Comic Strip Collaborative Project
Description:	Each school year fifth grade students are required to complete a comic strip project during library class. This year's students went above and beyond to create meaningful designs and stories. The project allows students to show their creativity through the use of visuals, story dialog, & use of digital media. They are required to brainstorm an idea, research artistic ways to bring it to life, create a rough draft, complete a final copy, & create a digital reading of their story. The kids were allowed to use powerpoint or other platforms to record their voices and showcase their frames. After the project was complete, fifteen to twenty comic strips were selected and sent to our high school's CADD&3DM class to be laser engraved into wooden planks. The fifth grade students received the final pieces as keepsakes. A special thank you to the high school students who gave our comic strips a special upgrade!
Participants:	John Haubrick, Ryan Fike, Jacob McMaster, Brando Souders, Ethan Andrews, Dustin Bowles, Natalie Haubrick, Ava Baker, Bailey Neff, Reese Hine, Sumiko Clark, Maya Burke

MCMS

Advisors:	Dakota Macknair and Amy Hartman
Project:	STEM Stars
Description:	6th grade students in math and science have created websites, games, and inventions to solve everyday problems from boredom to school funding.
Participants:	Halle Hertzler, Jacob Bauman, Nathan Banks, Brendon Noerr, Madeline McKee, Alexandra Koch

MCMS:

Advisor:	Lani Reese
Project:	Seven Wonders of the World Breakout
Description:	A group of 7th grade students created their own breakout on the seven wonders of the world during their computer class. Solve clues, puzzles, and even learn some hieroglyphics while trying to breakout!
Participants:	Caden Bell, Cody Fultz, Brynn Knepp

MCMS:

Advisor:	Lani Reese
Project:	Internet Safety with the Do Ink Green Screen App
Description:	7th Grade Computer Class students created a multi-media project using a green screen to teach how to stay safe and not get scammed through social media and online sites.
Participants:	Ethan Sunday, Trace Brought, Anthony Schiech, Chris Moon

LIS:

Advisor:	Steve Himes
Project:	Makerspace
Description:	The students will demonstrate various models and projects that are available in our school's maker space.
Participants:	Jamarcus Cuff, Callie Simonetti, Emmalee Simonetti, Bo Reeder, Jace Ciccolini, Rylynn Patkalitsky

LES:

Advisor:	Erica Bell and Meghan Aurand
Project:	Little Bits
Description:	Third grade students will be presenting projects they created using Little Bits snap circuits. The students created these projects in the MakerSpace at our school during STEM time.
Participants:	Brynn Carter, Noah DeVecchis, Ashlyn Lyles, Mia Weaver