



Austintown Local Schools District STEM Newsletter



"We provide an inspiring education that strengthens and prepares our students for unlimited future opportunities."

February 2019

STEM INFORMATIONAL NIGHT!



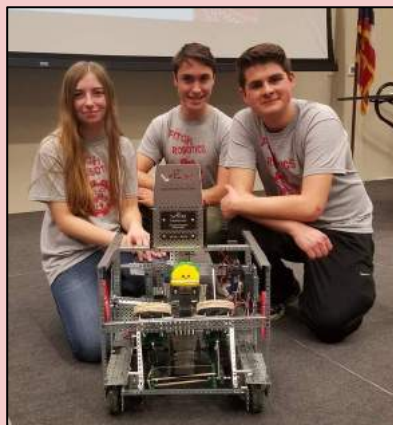
Thursday, March 7th
6:00 - 8:00 pm
AMS Cafetorium



The STEM Program is available to students in grades 6-12. The purpose of this meeting is for families to receive information about the STEM Program, meet current teachers and students, view projects, gain assistance with STEM registration, and answer any questions.



VEX ROBOTICS TEAM TO STATE CHAMPIONSHIP!



The VEX Robotics team, Cosmic Guardians, competed at the Mahoning Valley VEX Qualifier at the Mahoning County Career & Technical Center on February 8th. They earned 2nd place and a seat to the State Championship on March 1st and 2nd in Marion, OH. Students are working hard in the lab modifying their robot and troubleshooting the equipment. [#gorobotics](#)



Fitch senior gets jump on business start up



February 20,
2019 Fitch
senior Charles
Carson seems
to be a natural
entrepreneur.
[more »»](#)

Hot off the press! The Town Crier newspaper showcased senior STEM student, Charles Carson. Charles learned the basics of 3D graphics at school and transformed his skills into his own business creating logos, flyers, decals, T-shirts, and other items for clients. Charles created a brand for himself. [Click here](#) to read of his success!



You and your family are personally invited to the...

Austintown Local Schools STEM Informational Night



Thursday, March 7th
6:00-8:00 pm
AMS Cafetorium



**SEATS ARE
LIMITED!**



The STEM (Science, Technology, Engineering, and Math) Program is available to students in grades 6-12. Students are submerged in a project-based and student-centered learning environment with a focus on 21st century skills to ensure a future of unlimited opportunities. The purpose of this meeting is for families to receive information about the STEM Program, meet current teachers and students, view projects, gain assistance with STEM registration, and answer your questions.

We are now registering for the 2019-2020 school year for incoming 6th-12th grade students. For more information and to apply go to the Austintown Local Schools website, click on *21st Century Learning* under *Departments*, then click *STEM Program*. Access the website below for more information, access monthly newsletters, and register your child. <http://www.austintownschools.org/Content/STEM>

**REGISTER
TODAY!**

For questions contact:

Danielle Chine- District STEM Coach: dchine@austintownschools.org

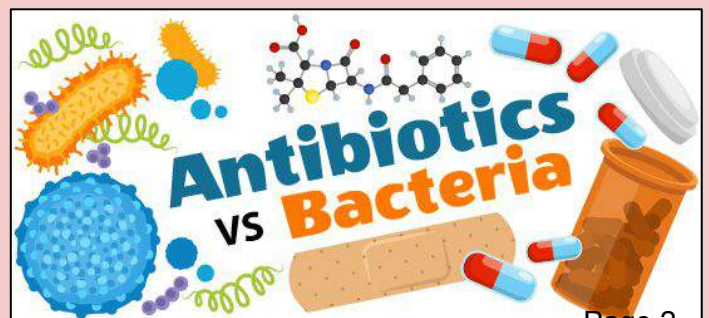
Chris Berni- AFHS Principal & Special Programs: cberni@austintownschools.org

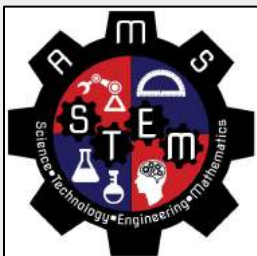
Follow "Austintown STEM" and "Ms. Chine" on Falcon Nation for updates!



STUDENTS DIAGNOSE AND DETERMINE TREATMENT IN MEDICAL DETECTIVES

The 6th grade STEM students diagnosed and treated their first simulated patient in the Medical Detectives unit. Students grew bacterial cultures from their patient's throat and tested various antibiotics to determine the best course of treatment.





[Click here](#) to access our YouTube Channel and watch videos from the year.

AUSTINTOWN MIDDLE SCHOOL

[Click here](#) to access our class website to see projects from the school year.

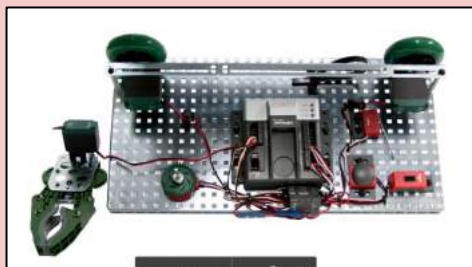
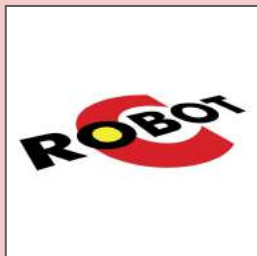
Austintown
Middle School
STEM website

STUDENTS EXPERIENCED THE "STEEL" MUSEUM AND BUTLER ART MUSEUM



STEM students visited the Youngstown Historical Center of Labor and Industry, aka the "Steel Museum" and the Butler Art Museum. The emphasis was on the steel making process and how our community was shaped from the rich history of industrialization in the Valley. Many of the steelworkers during the booming steel times were not much older than the students themselves. 6th grade students toured the Butler Art Museum and witnessed art imitating life with amazing sculptures and interactive art.

7th grade students began programming and automation in Robotics. They built a VEX testbed utilizing various motors, switches, LEDs, digital sensors and analog sensors. They will use RobotC, a natural language program, to automate their testbed in preparation for future learning in robotics and computer science. It all fits together.



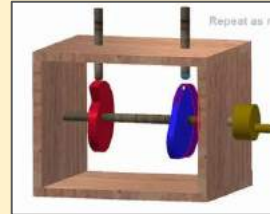


AUSTINTOWN FITCH HIGH SCHOOL

"We provide an inspiring education that strengthens and prepares our students for unlimited future possibilities."



Ken Timmings, owner of KTSDI, a locally owned company specializing in complex engineering parts, visited with students. Mr. Timmings showed examples of their custom designed vehicles for NASA and other international projects. He held open discussions with students about entrepreneurship and skills necessary to succeed. Mr. Timmings also discussed the importance of technical and soft skills necessary for future employment.



Introduction to Engineering Design students are creating an Automata cam and follower box. Students create and automate using Inventor Autodesk and build working models out of balsa wood.



Aaron Smith, brother of STEM and English teacher Miss Smith, spoke with Computer Science and STEM students about the importance of computer literacy and careers in Computer Science. He discussed the pathway to becoming your own software engineer and had students using various languages to create their own custom graphics and designs. Mr. Smith is a consultant with Improving, a technology management firm in Cleveland. He is a self-made software developer, website creator, and believer of continuous learning. What an inspiration!



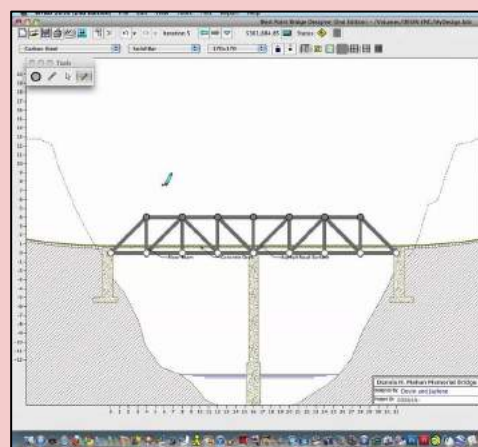
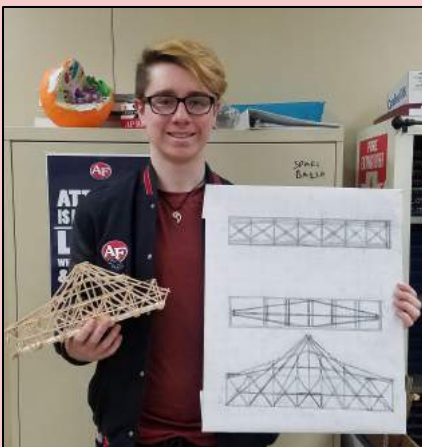
AUSTINTOWN FITCH HIGH SCHOOL



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Civil & Architectural Engineering students created custom homes using the industry recognized software, AutoDesk Revit. Students were paired with a teacher as their clients. They had to create and a home based from their clients needs and wants. Students presented their designs to their teachers. Click on the video to see Miss Smith's house created by Sidney. The customer is always right!



Two teams of Principles of Engineering students put their building skills to the test and competed in the Mahoning Valley Miniature Bridge Building Competition held at YSU on February 25th. Over a dozen schools competed in the challenge.





Austintown Local Schools STEM Programs



Chris Berni

Meet Our Staff



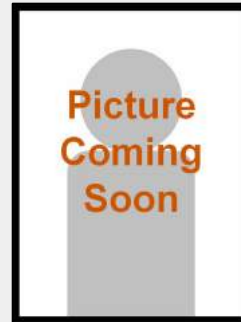
Danielle Chine



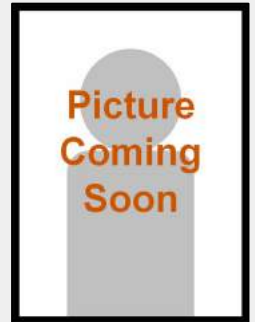
Doug Eisenbraun



Josh Folkwein



Jason Freudenberg



Lauren Hrusovsky



Ashley Smith



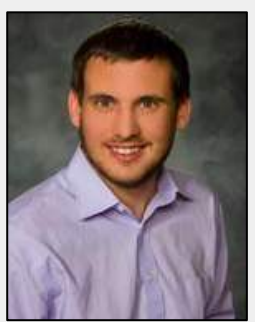
Celia Sroka



Jessica Tomic



Brian Umstead



Robert Wyant



The vision of Austintown Local Schools is to offer a united community with a proud legacy and a progressive approach to education. We prepare our students by providing an inspiring education with a focus on a future of unlimited possibilities. One way of extending progressive educational initiatives is through our many **STEM (Science, Technology, Engineering & Math)** programs and extracurricular activities starting in kindergarten through graduation. These programs provide a project-based and student-centered learning environment with a focus on 21st century skills to give our students skills to ensure success that lasts a lifetime.



For more information contact:

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Danielle Chine
District STEM Instructional Coach
dchine@austintownschools.org

[Austintown STEM website](#)