



Austintown Local Schools District STEM Newsletter



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

April 2019

Events Edition

STEM Program Upcoming Events Edition

Tuesday, May 7th
District STEM Showcase
AMS Cafetorium
6- 8 pm



Saturday, May 18th
Soap Box Derby Races
Akron, Ohio
7th-8th grade STEM



Wednesday, May 15th
Soap Box Derby Recognition
at the Statehouse
8th/9th grade STEM



Friday, May 31st
Last Day for Students
Early Dismissal
Half day



Thursday, May 23rd
Weather Balloon Launch
Fitch Football Field
8:30 am Launch



*You and your family are personally
invited to experience...*

The 7th Annual Austintown Local Schools STEM Showcase

Tuesday, May 7th
6:00-8:00 pm
AMS Cafetorium

Check out our student-
maintained website:
www.amsstem.com



- Live 3D Printing
- VEX Robotics
- Windmill Design
- AutoCAD
- Circuit Boards
- Soap Box Derby Cars
- Rocket and Airfoil Design
- Weather Balloon
- And Much More!

The STEM (Science, Technology, Engineering, and Math) Program at Austintown Middle and Fitch High School gives students a project-based and student-centered learning environment with a focus on 21st century skills to ensure a future of unlimited opportunities.

Applications are currently being accepted for the 2019-2020 school year for incoming 6th-12th grade students. For more information go to the Austintown Schools website, click on 21st Century Learning, then click STEM Program.
<http://www.austintownschools.org/Content/STEM>



From *Australopithecus* to *Homo Sapiens*! AMS STEM students brought themselves as specimens to the Cleveland Museum of Natural History on April 8th!



Cleveland Museum of Natural History

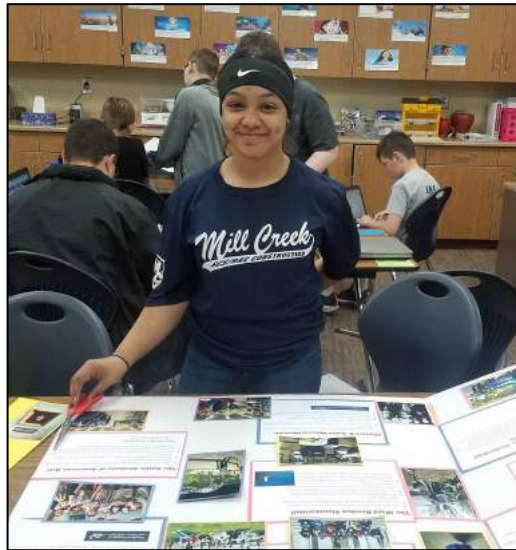


AMS STEM students visited the Cleveland Museum of Natural History on April 8th. They walked through a live animal sanctuary, examined the night sky in the planetarium, watched the evolution of man through time, and explored local vegetation and animals.



AMS Students Preparing for the STEM Showcase

The 7th Annual District STEM Showcase will take place on Tuesday, May 7th in the AMS Cafetorium from 6-8 pm. Come experience 3D printing, robotics, weather balloon, air foil and rocket design, robotics arms, and more! It is there students will showcase projects and activities they learned throughout the school year. All students, families, and community members are personally invited to come and experience an evening of STEM education. The future is now...



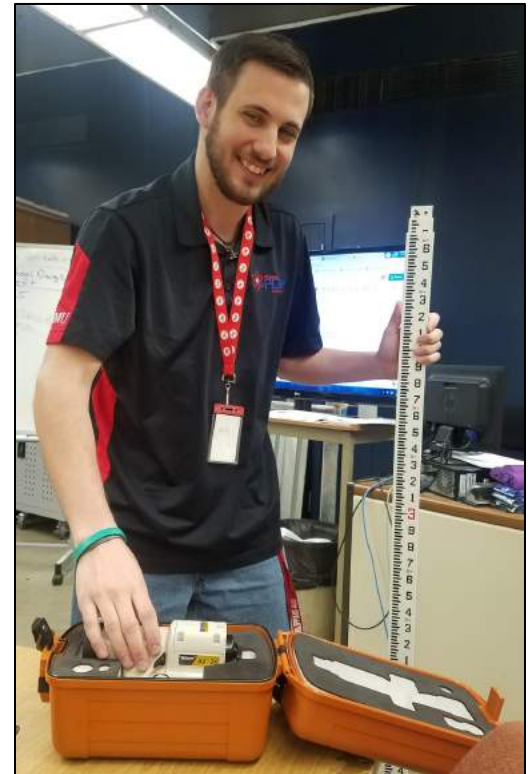
AMS Students Preparing for the Soap Box Derby

Six Soap Box Derby cars are being built and prepared for racing by the 7th and 8th grade STEM students to compete in the STEM Gravity Racing Challenge on Saturday, May 18th at Derby Downs in Akron. For more information about the Soap Box Derby go to: <https://www.soapboxderby.org/> Good luck to all students and racers!



Fitch Civil & Architectural Engineering Students Survey Land

Students are surveying land around campus and Mill Creek Park via land surveying equipment such as tripods, leveling rods, and automatic levelers. Pictured is Mr. Wyant preparing the equipment.



Fitch Computer Science 3 Creating Websites for Clients Using CSS, HTML, and Javascript

Students are creating a website to meet the needs of a business or industry, such as a store marketplace, attorney office, or clothing store using Repl.it, an online program learning platform. Students are using CSS, HTML, and Javascript programming languages to create a website for their client. Pictured below is Tre's coding language for a website called, OGRE (Online Game Review Exchange) allowing participants to review video games and interact with eachother.

```
index.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width">
6   <title>OGRE</title>
7   <link href="index.css" rel="stylesheet" type="text/css" />
8 </head>
9 <body>
10  <h1> Welcome to OGRE! </h1>
11  <table>
12    <tr><td><th><a href="Fg.html">Fighting Games</a></td></th><td><th><a href="Rpg.html">Role-playing Games</a></td></th><td><th><a href="Fps.html">First-Person Shooters</a></td></th></tr>
13  </table>
14  <h2>What is Ogre?</h2>
15  <h3>OGRE (Online Game Review Exchange) allows gamers to create their very own review of any game they've ever played. Players will be able to rate games on a scale of 1-5, and an overall rating will be stored within the website. Visitors to the site will be able to view ratings of every title there is, however, in order to leave a review you must have an account. It's also possible to like, dislike, and comment on the reviews of others. Click on the links above to get started, or arrive at your destination instantly using the search bar.
16  <h4>Most Recent Reviews</h4>
17 </body>
18 </html>
```

The screenshot shows a Repl.it code editor with the HTML code for a website called OGRE. The code includes a header with a title and a link to a stylesheet, a body with a welcome message and a table of links to different game categories, and a footer with a search bar. The website is displayed in a browser window on the right, showing a green ogre character and the word "Welc".

Learn About Our STEM Programs

Austintown Local Schools STEM Program Grades 6-12



2019-2020

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

[Click here](#) to
access our
monthly
Newsletters.



[Click here](#) to access a presentation reviewing our STEM programming available to students in grades 6-12.

Last Day of
School

Last day for students is
Friday, May 31st.
Students will do a half
day that day.

Computer Science 2 Students Act as Image Artists

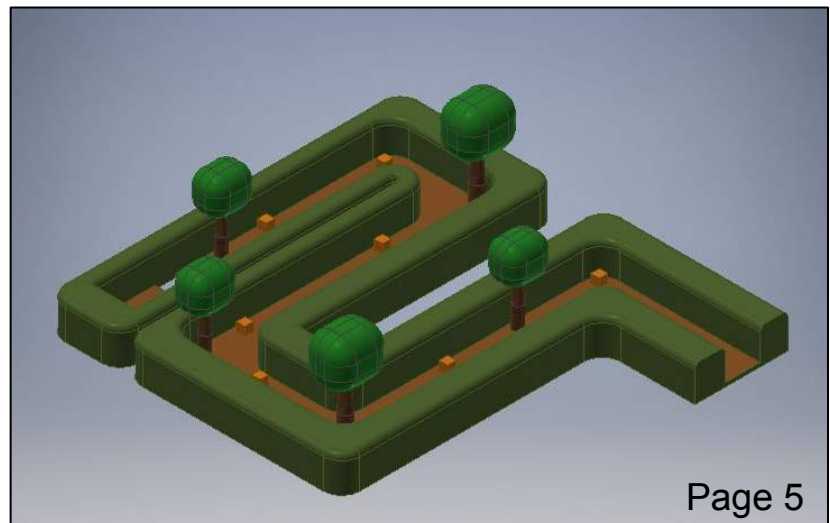


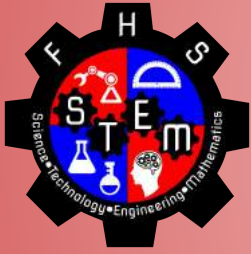
Students are creating their
own designs from other's
pictures using
object-oriented
programming paradigms
and macroscopic magnetic
storage with Python. If it
sounds foreign to you, it
does to me too!



3D Design 2 Creating Custom-Designed Golf Courses

Students are creating custom-designed golf courses using Inventor Professional and Automoblox. Pictured right is Victor's animation and Minecraft inspired golf course complete with holes and proper dimensions.





Austintown Local Schools STEM Programs



Chris Berni

Meet Our Staff



Danielle Chine



Doug Eisenbraun



Josh Folkwein



Jason Freudenberg



Lauren Hrusovsky



Ashley Smith



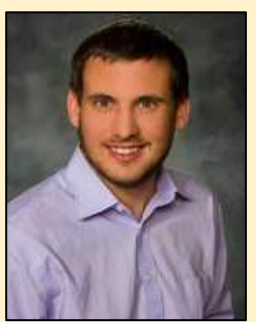
Celia Sroka



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.



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[Austintown STEM website](#)