

# AMS STEM *September Newsletter*



September Edition

## CALENDAR

**October 1** Jr. STEM meeting  
after school until 4 pm

**October 6** Picture Day and  
field trip to MCCTC (8th gr.)

**October 16** NEOEA Day, No  
classes for students

**October 20** Field trip to NAMII  
& Ward Beecher Planetarium

**October 30** Last Day of the  
1st nine weeks (It went fast!)



Chase, along with the rest of the 8th graders, pay their respects to the brave who lost their lives on September 11 at the 9-11 Memorial Park across the street from AMS.

**Hello Everyone,**

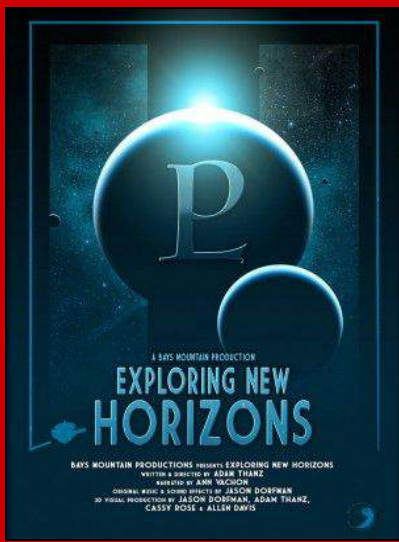
This is the STEM Newsletter for the month of September! We have included a calendar of events at the top of the page. Please note the upcoming events for this month indicated in the blue box. Our first Jr. STEM meeting for 6th graders took place Oct. 1 with the biggest turnout ever. It's been an exciting first full month of STEM and there is still so much left to accomplish!



## America Makes

National Additive Manufacturing Innovation Institute

Students will visit NAMII on Oct. 20th and learn all about cutting edge manufacturing techniques and 3D printing in the area.



Students will visit the Ward Beecher Planetarium on Oct. 20th and watch a show on the New Horizons mission to Pluto and beyond our solar system.



Destiny and Geno present the basics of STEM to interested 6th graders at the first Jr. STEM meeting on Oct. 1st.

## 7th Grade

- ★ Students designed and built chairs out of recyclable materials when learning about the design process. They created 3D models and sketched orthographic projections, isometric drawings and used metric/English measurement to model their sketches.
- ★ Students will start creating in Inventor next week. Inventor is a computer-aided design program that lets you create objects in 3D. This connects with our current math topics of polygons, shapes and angles. Starting next week, students will take all of their newly acquired skills and design, model in Inventor, and create a working prototype of an invention of their own and print out pieces using our own 3D printer!
- ★ Students started a student government and campaigned and held elections. This is important because organization of the website and the interests of the students as a whole are represented by the students in office.

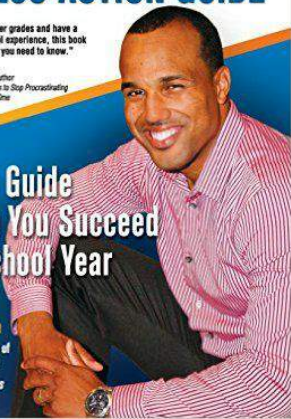
## THE STUDENT SUCCESS ACTION GUIDE

"If you want to get better grades and have a more enjoyable school experience, this book shows you everything you need to know."

Brian Tracy  
International Best Selling Author  
Car That Frees 27 Great Ways to Stop Procrastinating  
and Get More Done in Less Time

A Daily Guide  
to Help You Succeed  
This School Year

Arel Moodie  
Best-Selling Author of  
Your Starting Point  
For Student Success



Students will meet local successful business leaders and hear Arel Moodie speak on Oct. 6th at the MCCTC. (8th graders)





Isaac is in his glory examining 3D printed car parts at NAMII last year. I wonder what's in store this year?



7th grade STEM student government officers (from bottom left) Zane (treasurer), Kylee (photographer), Gabby (website editor), (from top left) Omaree (vice president), Daniel (president), and Candice (communications director). Congratulations!



Jeremy attempted to see the rare blood-moon lunar eclipse on Sept. 27. Due to clouds, he decided to "photoshop" the moon into the photo. Well played.



Joey, Ryan, and Candice show off their skills when launching their skimmers in the measurement lab.



Students gather at 9-11 Memorial Park across the street from AMS to honor the brave who lost their lives.

- ★ Students built skimmers that glide along the ground using fundamentals of metric measurement and scale. The winners made their skimmers glide more than 80 feet. Congratulations to the winners!

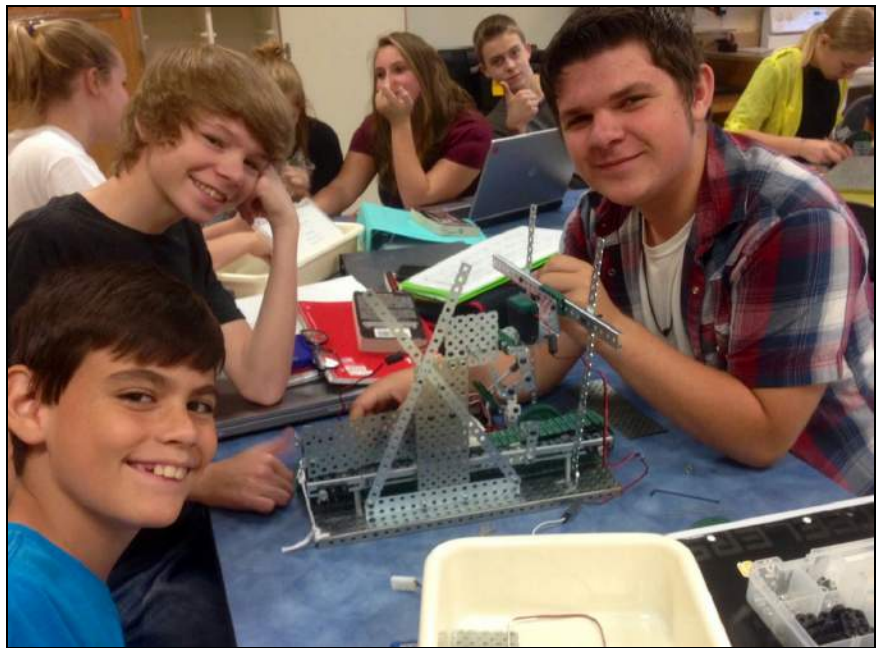


Daniel and Isabella pose with their chair, the winner for the strongest and held the most weight.



Jacob and Candice pose with their chair, the winner for best form and design.

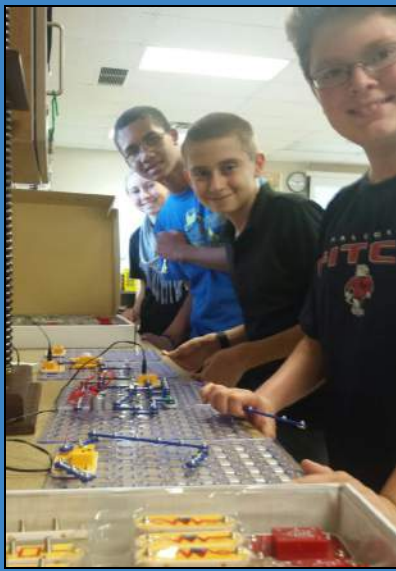
## 8th Grade



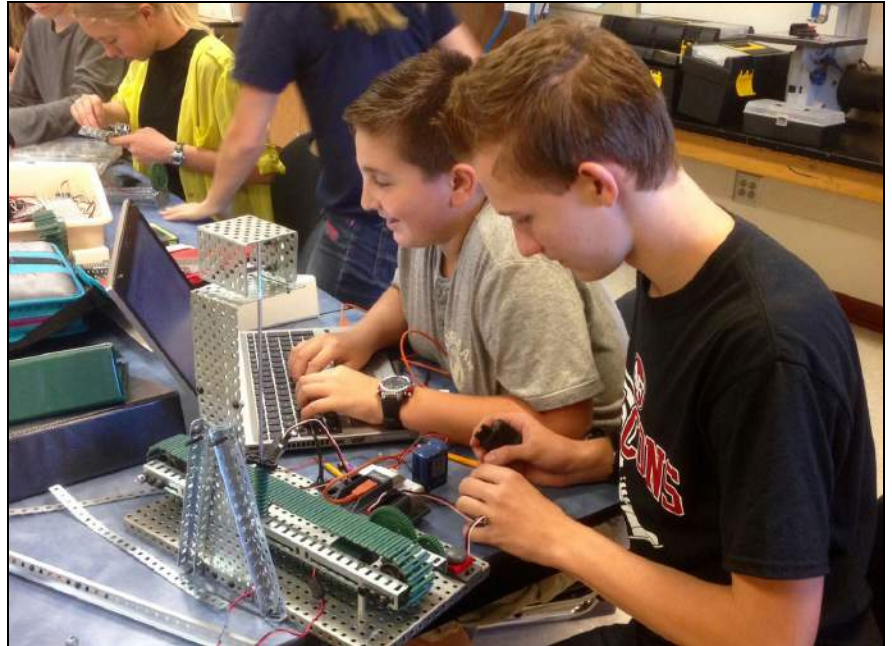
Tyler, Caleb, and Jacob display their conveyor belt project.

- ★ In STEM class, we have designed and created our VEX robotic problem solving ideas. Students were given a problem and had to design a way to solve it by designing,

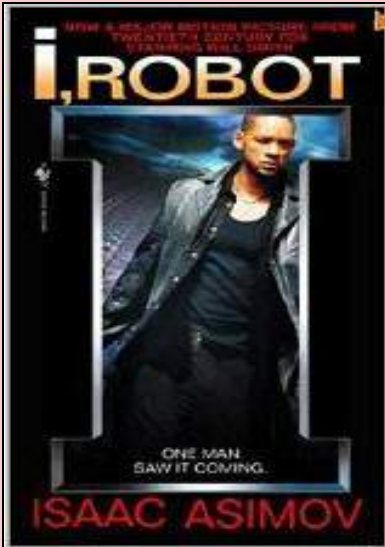




Joey, Colin, and Omaree set up snap circuit kits for the 1st Jr. STEM meeting.



Sam & Robbie fix the electrical components and troubleshoot the programming for their automated conveyor belt.

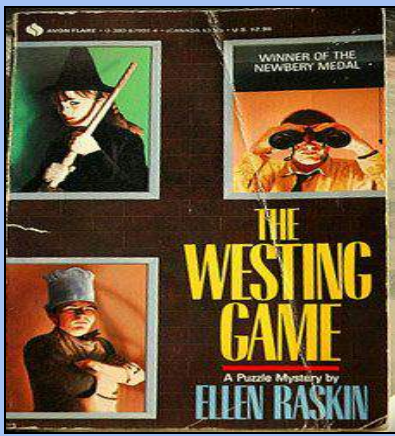


The 8th grader are reading *I, Robot* while learning about automation and robotics.

- ★ We will be finishing up the novel, *I, Robot* next week as well.
- ★ In Science, students are studying plate tectonics and earthquakes and preparing presentations on many geological features found on Earth. Geno even printed a scaled model of the Grand Canyon on our 3D printer!



Many AMS STEM student alumni came to assist at the first Jr. STEM meeting. It was awesome having the extra hands and support!



The 7th graders are reading an exciting mystery novel, *The Westing Game*.

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