

PEQUANNOCK TOWNSHIP HIGH SCHOOL



STEM & AVIATION ACADEMIES

PROFESSIONAL EXPERIENCE NEWSLETTER

MARKING PERIOD 2 EDITION



DEBRIEFING

It is hard to believe that we are at the halfway point of the school year!

Here at PTHS, our STEM and Aviation Academy students have been busy learning and participating in several professional experiences.

We strive to provide our learners with meaningful course connections that aim to bring relevance to their classroom learning.

Read on to see the companies and professionals that we have collaborated with over the last few months!



STEM - GRADE 9



COURSE CONNECTION

Warren County Community College offers an extensive Unmanned Systems Technology Program where members learn about automation, robots, and drones.

One of their professors, Adam Kyle, spoke with our students about topics such as photogrammetry and drones which directly correlate to current classroom learning!



**PROFESSOR ADAM KYLE,
WARREN COUNTY COMMUNITY COLLEGE**

AVIATION - GRADES 9 & 10



COURSE CONNECTION

Our 9th and 10th grade Aviation students were afforded the awesome experience of taking a field trip to the Air Traffic Control Tower at Newark Airport.

While there, Scott DiTammo took us up into the tower, showed us all the operations, and offered some valuable career advice to our learners, as well!



SCOTT DITAMMO, NEWARK AIR TRAFFIC CONTROL TOWER

STEM - GRADE 10



COURSE CONNECTION

Rocco Avena, Branch Chief of the System Safety Division at Picatinny Arsenal, has worked with our students on several occasions now over the last few years.

With his continued support of our programs, he has spoken with our students about his educational and career path, as well as, the importance of testing equipment both in the military and other corporate sectors.



ROCCO AVENA, PICCATINNY ARSENAL

AVIATION - GRADES 11 & 12



COURSE CONNECTION

Steve O'Neill, a retired pilot, offered our Aviation students a unique twist on their future career possibilities.

After his flight career, Mr. O'Neill started his own drone company business, building off of his Aviation knowledge. He uses his drones to support local businesses, real estate agents, and other companies with their marketing and advertising endeavors.



STEVE O'NEILL, HIGH FLIGHT

STEM - GRADE 11



COURSE CONNECTION

Mr. Tedesco, owner of JAM Graphics, spoke to our Junior STEM students about his web design and development business.

Learners were introduced to the foundations of running a company, along with, the nuances of developing a website that fits a client's specific needs.

Thank you for continuing to support our Academy programs!



JOHN TEDESCO, JAM GRAPHICS

STEM - GRADE 12

COURSE CONNECTION

Our STEM Capstone Seniors participated in a another Business Visit Field Trip during the month of November.

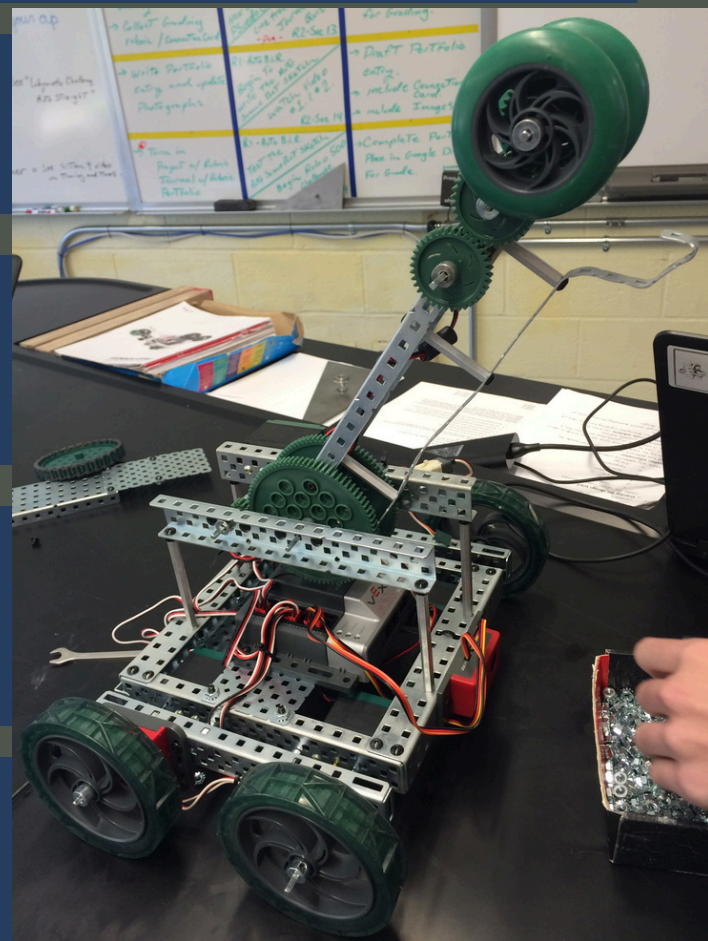
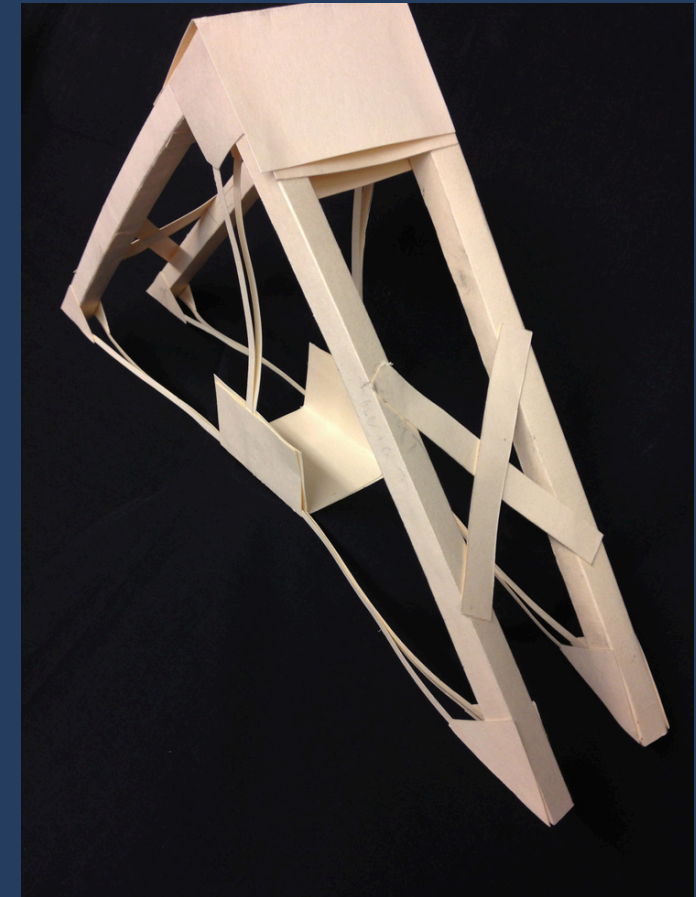
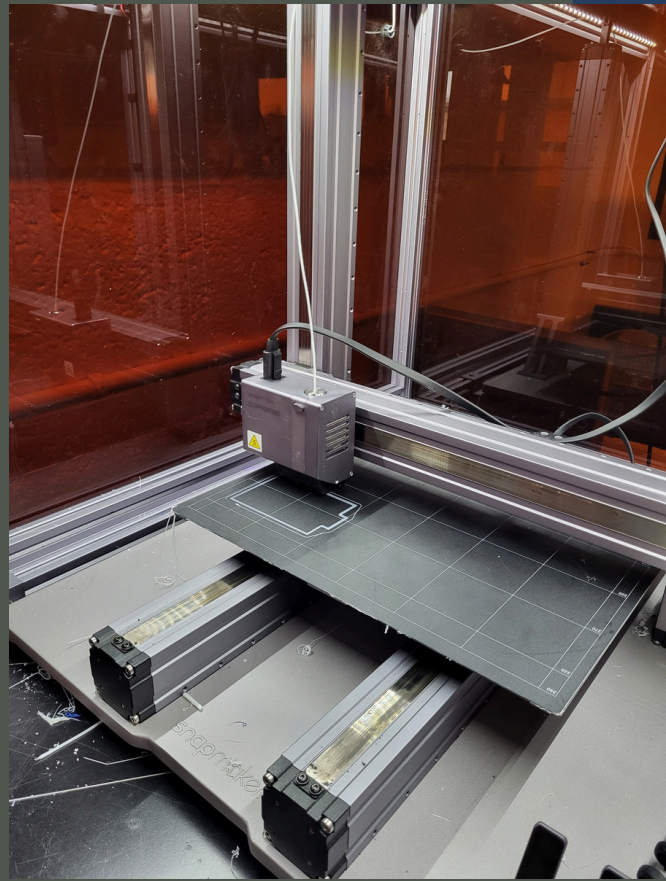
One afternoon, we were welcomed into EVS/RedyRef, as well as, Carl Stahl, both local companies with unique specializations.

While EVS/RedyRef specializes in the making of electronic kiosks, Carl Stahl manufactures wires that are used in several different STEM applications.

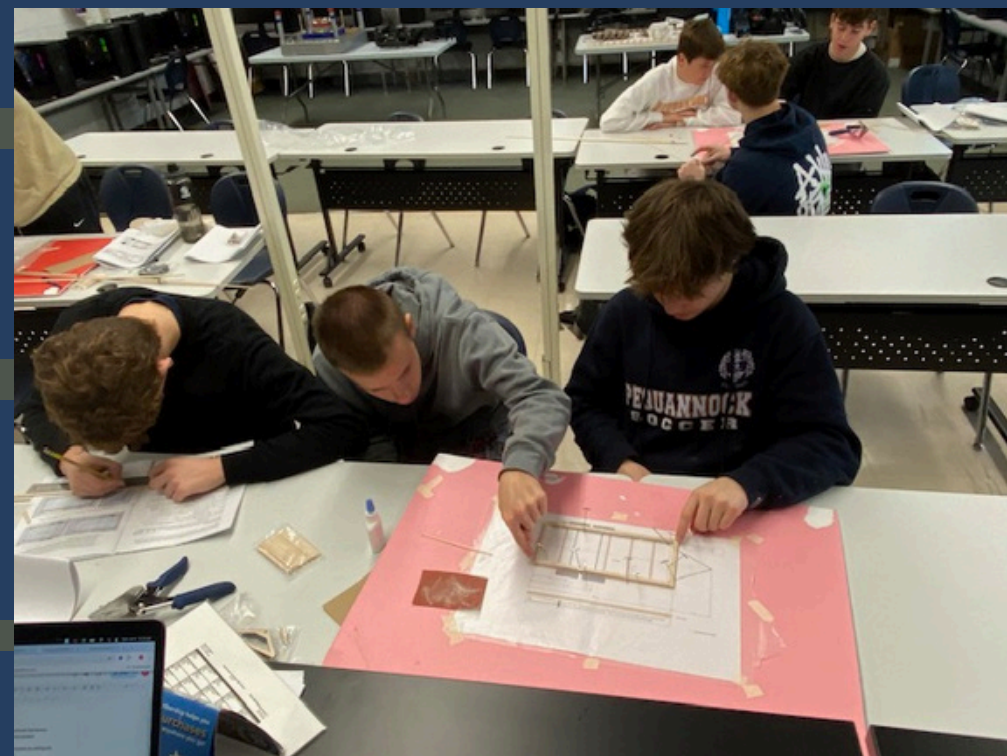
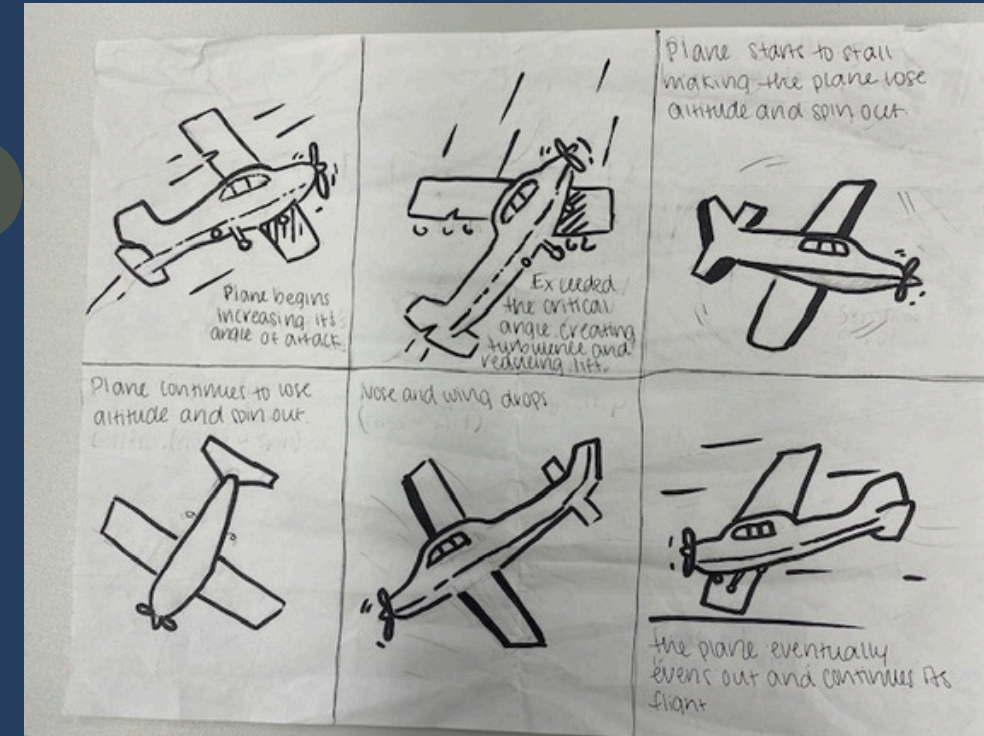
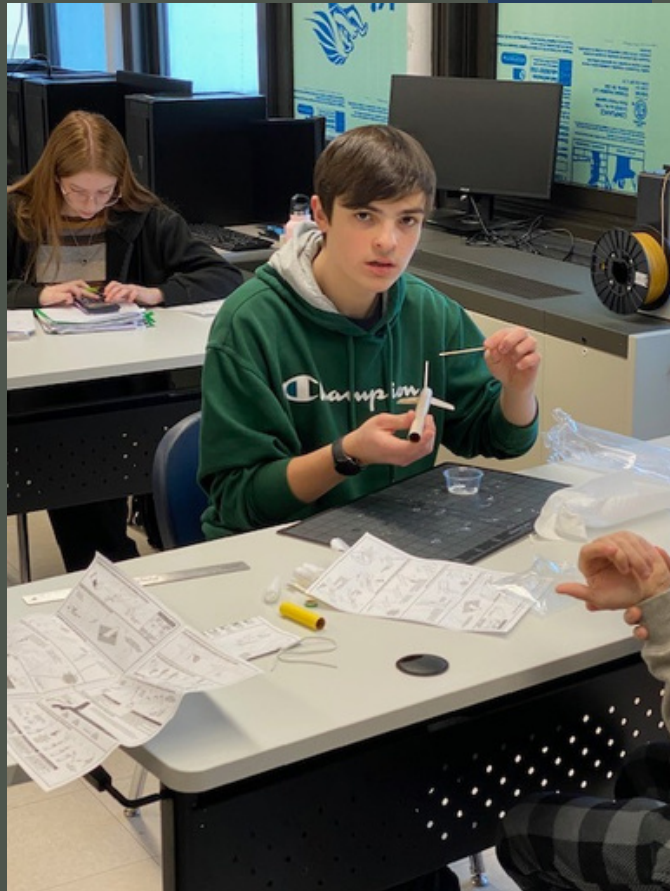


STEM BUSINESS VISIT #2

CLASSROOM LEARNING



CLASSROOM LEARNING



GETTING THE WORD OUT

Thank you to all who have applied to our Academy Programs. We have been in the process of conducting several interviews and look forward to welcoming our new class of STEM & Aviation students in September!

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