

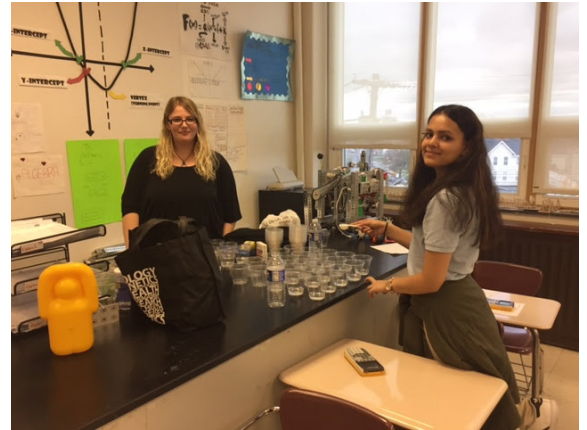


**Joe Vargo**  
Executive Director  
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## PEB Brings Career Awareness To Students

Syracuse Academy of Science (SAS) High School hosted their first Career Day on Thursday, November 16th, 2017. SAS high school students got a chance to meet representatives from many diverse professions at this event. They received information about each company/organization and learned about the education, skills, training, and tasks involved for each career path. Students also had the opportunity to ask questions of the presenters to learn more about what they do and the rewards and challenges of pursuing specific career paths. PEB would like to thank those that participated:

- Krystal Ripa, SUNY Upstate Medical University
- Kathleen Carroll, Covanta
- Dave Pond, PaperWorks
- Tammy Poirier and Yvette Seils, Continental School of Beauty
- Lauren Long, Syracuse.com (Post-Standard)
- Sgt. Jon Seeber, The Onondaga County Sheriff's Department
- TJ James and Steve Brown, SubCat Music Studios
- Jessica Perry and Oma Kassim, Ashley McGraw Architects
- John Arrow and Brian Harris, The Federal Aviation Administration (FAA)
- Josephine Przepiora and Jodie Brown, SUNY Upstate Medical University, College of Health Professionals
- Captain Adam Kelly, U.S. Air Force



### **Auburn P-TECH Corner**

In November, the Auburn P-TECH students participated in an activity with their mentors to make a catapult out of pencils, rubber bands, and a plastic spoon. The goal was to be able to hit the bullseye at the farthest distance away from the target. Auburn students and their mentors set to work on developing their own idea of what a catapult should look like, how much tension the catapult needs to get the projectile to the target, and how accurate the catapult will be. The students had to pick their projectiles from a mix of pennies, dimes, and quarters. After a few tries the students and their mentors were successfully hitting the bullseye. The challenging part came when students and their mentors started to increase the distance of the projectile and the teams had to adjust the accuracy of the catapult. Some of the students found it



was a lot easier to increase the projectile's velocity than the accuracy. This was a great learning lesson in physics through levers and pulley systems in addition to trying out new ideas to increase projectile velocity. Congratulations Auburn P-TECH and their mentors.

The Auburn P-TECH Program, PEB, local businesses, and Auburn High School teamed up for a huge Science Career Fair on November 16th. The CNY American Chemical Society chapter along with Auburn High School's Chem Club hosted the event. The purpose was to help High School and College students in Cayuga and Onondaga counties identify careers in science that would interest them. Many students are not familiar with all the various careers that involve science so they are unable to take the correct courses to meet the requirements for those careers. PEB assisted by recruiting businesses and individuals to participate. Some of the businesses that participated included: Lockheed Martin; The SUNY College of Environmental Science and Forestry; GE Inspection Technologies; Beardsley Design; Nucor Steel; WestRock; and Mike Beardsley (Archeologist). Students were given the opportunity to talk with professionals, explore career fields, and learn how science is used in everyday applications. The response to the event was very positive. John Percival of GE Inspection Technologies said "We had a great time and we applaud the event!" In the end it was a great night for everybody that participated.

### **Syracuse P-TECH Corner**

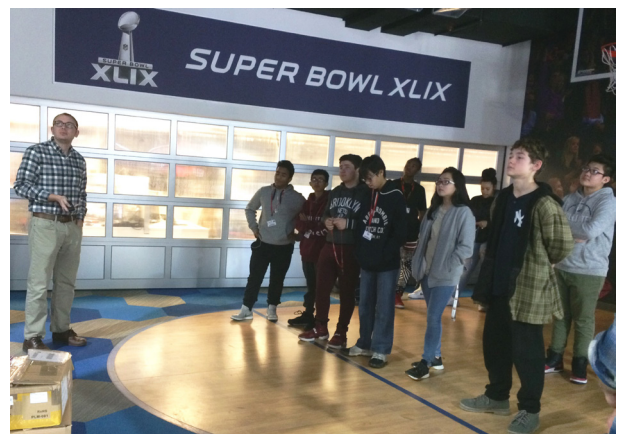
Two area businesses – Eaton Crouse-Hinds and Ephesus Lighting – were hosts to the new P-TECH freshmen class on December 5th. Due to the size of the class, half went to each company. At Eaton Crouse-Hinds, students began with a tour with one of the Senior Engineers and then met with some of the current Engineering students that are interns. They also had the opportunity to visit with one of the company's Leadership Development Program participants to get a better understanding of the site's operations and how they made their career path decision.

At Ephesus Lighting, Sr. H.R. Specialist, Chad Casey, started out with an overview of the company. He explained a little bit about their products & technology - LED and connected lighting. Next, Chad spoke about the professional sports teams they've done installations for. One of the electrical engineers gave a light show with the newest product to show off some of the capabilities. Tyler Tuper, a mechanical engineer, walked everyone through the design method and one of the test engineers explained the testing that the lighting goes through, showing the students the tools/instruments used in the process.

Interested in hosting students at your facility or becoming a career coach/mentor for P-TECH students in Syracuse or Auburn? Contact Jason Bjork, P-TECH Business Outreach Coordinator – [jbjork@macny.org](mailto:jbjork@macny.org).



*Previous page, top photo: A high school student from Syracuse Academy of Science participates in a DNA demo with directions from SUNY Upstate professional during the school's Career Day.*



*Previous page, bottom photo: Auburn P-TECH students design catapults to learn about physics involved in engineering.*

*Above (from left to right): Syracuse P-TECH freshman learn about specialized lighting while visiting Ephesus Lighting in December; Students preparing to suit up to enter manufacturing floor while visiting Eaton Crouse-Hinds.*