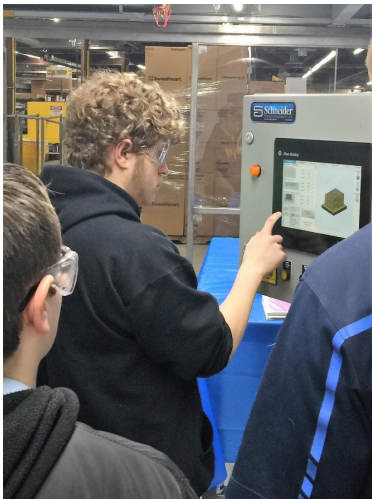




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CNY STEM Job Shadow Day

Businesses Open Their Doors to Provide Career Experiences to Students

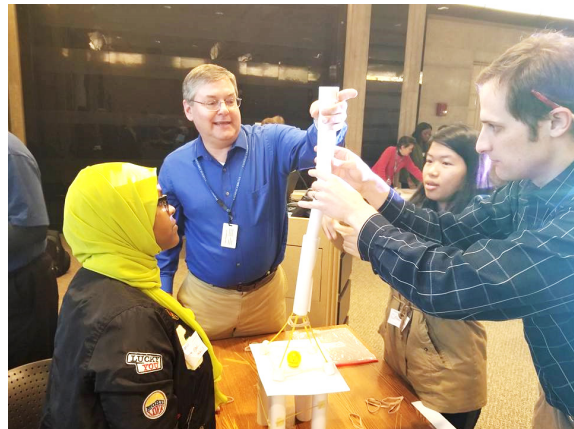


CNY STEM (Science, Technology, Engineering and Math) Job Shadow Day was held on February 2nd. A collaboration of PEB, the CNY STEM Hub and SRC, Inc., this marked the event's second year of offering high school students a glimpse into real working environments at companies in Central New York.

From introducing the process of design in order to create model building spaces with paper, to viewing the various stages of building machines, to hearing presentations about “a day in the life of,” to interviewing young professionals and taking tours of companies that students didn't know existed, CNY STEM Job Shadow Day offered students a close-up and personal view of the types of careers, products, and services that exist in our region.

Even with the imminent threat of school delays and closings, upwards of 200 students and teachers were matched in small groups with a company/agency that provided a snapshot of STEM careers within their facilities. Eleven schools/programs participated and an additional 60 students (three school groups) will be visiting Darco Manufacturing, GE Inspection Technologies, and the Onondaga County Sheriff's Justice Center in the coming weeks due to postponements because of weather, etc.

Thank you to the businesses/agencies that hosted groups and provided information about their careers in STEM: Anaren, Bartell Machinery Systems, C&S Companies, Covanta, FAA - Air Traffic Control Tower, King + King Architects, National Grid, Schneider Packaging Equipment Co., and SRC, Inc.

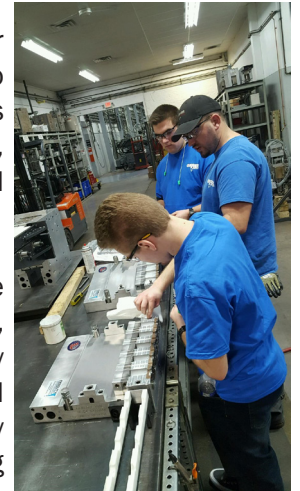


P-TECH Update

Auburn P-TECH Juniors Begin First Job Shadows at Bo-Mer Plastics and Currier Plastics

On January 17th the Auburn P-TECH students went to Bo-Mer Plastics and Currier Plastics for their first job shadows. Job shadowing is part of the 11th grade requirement for the P-TECH program to give the students the opportunity for a closer look at various companies. Participating companies will allow the students to gain an understanding about the details of a specific position and, depending on the type of work, the students are allowed to get a hands-on experience in their field of interest.

Half of the Auburn P-TECH juniors visited Bo-Mer Plastics and were given an assignment to make a medical lock box. Students were shown the process of developing and designing a product, including teaching them how to read blueprints to assemble their own medical lock box. Doug Derby then showed them the quality control room where they learned what defective moldings looked like and how to measure parts. Finally, the students were taken to the production floor where they learned how the moldings were made. Next, they began to assemble their own lock boxes using the blueprints and parts given to them. The P-TECH students appreciated the opportunity to use what they learned and saw the tangible results in a product made by their own hands.



The other half of the P-TECH class visited Currier Plastics for their job shadow. Students were split into two groups. The first group was assigned the tool shop and learned how the molds worked and how to care for them. The second group was assigned to the production floor, learning first how the injection molding machine worked and then worked installing a mold into the machine.

The hands-on learning was an important common thread with the P-TECH students while shadowing. Not only were students learning new job skills, but their learning was enhanced, because they got out of the classroom and into the workforce for a real-life experience.

Syracuse P-TECH: Full of Activities in January!

January was full of activities for P-TECH students! A new coaching event for the juniors took place on January 3rd and involved interviewing Safety Officers about their jobs. The students had prepared questions about the safety training procedures, PPE, infractions, and other topics and will use the information they obtained to create posters that reflect safety in the workplace.

The freshman class visited INFICON on January 10th. Students learned about the leak detection equipment and RF sensing technology the company produces and toured several departments including the clean room and TF lab, and had a demo on thin film technology. On the 17th, P-TECH freshmen students worked with career coaches in small teams to research those companies represented by the coaches. Topics included the history of the company, products/services, location, types of jobs, education requirements for those jobs, awards/sponsorships/press about the company, and employees' opinions about working at the company. The end product will be a Prezi/PowerPoint that students will present back to career coaches. January 30th saw career coaches from Ephesus Lighting providing a Marshmallow/Spaghetti Tower Challenge to the students. Small teams brainstormed on how best to use mini marshmallows and raw spaghetti to build the tallest tower that could stand on its own for a minimum of 10 seconds. The winning team assembled a tower that was 40 inches tall and continued to stand after the 10 seconds.



P-TECH sophomores participated in the Roller Coaster Challenge with the assistance of 11 career coaches from the community. The outcome was to design a “coaster,” only using foam pipe insulation (cut in half lengthwise), tape, and a cup that would allow a marble to travel through the device at the slowest speed. The structure had specific guidelines on the number of loops, length, etc.