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## PEB Preparing Students for Careers in STEM

*Career Preparation Activities Heighten Awareness of Careers and Skillsets Required*

### **Barclay Damon Diversity Inclusion Internship Program**

PEB is continuing its long-term collaboration with Barclay Damon on their Internship initiative which provides four high school students each year with the opportunity to have a real work life experience and expand their skills. For a 12-week period in the spring and again in the fall, one internship is offered in the field of Accounting and a second is split between I.T. and Human Resources. The students are exposed to an office environment requiring professionalism in attire, timeliness, and decorum. They utilize business software, participate in meetings, and learn how to efficiently conduct research. Students accepted into the internships are also given an opportunity to learn about other departments including Legal, Technology, Marketing, Human Resources, and the Library.



Lilly La

At the conclusion of the internship, each student prepares a written summary and presentation that evaluates what they learned and how it applies to their personal goals. Barclay Damon has created a syllabus for each internship that provides a foundation for becoming a successful, productive, responsible, and contributing member of society.

The students chosen for this spring's internships are Lilly La from the Institute of Technology (ITC) for the I.T./Human Resources position and Charles Hudson from Henninger High School for the Accounting position.

Lilly is a junior who is also enrolled in the P-TECH Program at ITC, taking college courses at OCC and SUNY ESF. She is involved in ACES (Agents of Change in Educational Settings), Global Voices Project, Women in STEM and is bilingual, has had perfect attendance since 2012 and has been on High Honor Roll since 2011.

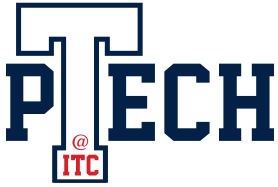
Charles is senior who will be majoring in Accounting in college. He is a member of the Student Council, is in Honors and SUPA classes, and took part in the "Two Miles Too Far" group that helped minimize the distance that is required to bus students to school. Charles is also part of the Journalism class for the school newsletter, serving as layout and copy editor. His work can be viewed at <http://henningerhs.us/newsletter.html>. His helpful nature includes assisting in the care of his mother who has cerebral palsy.



Charles Hudson

Congratulations to Lilly La and Charles Hudson who began their internships on February 27th.

## P-TECH Update



### SYRACUSE

February 15th – Rockets were flying high at ITC on February 15th. Twenty 9th-grade Syracuse P-TECH students worked one-on-one with a Career Coach on a project called “Rockets to the Rescue.” Students were presented a challenge to build and launch rockets to a “deserted island” that had a catastrophic event and needed food. Students were to supply the “island” (a hula hoop on the gym floor) with food - a payload filled with raisins. Each team had three chances to hit the target and make adjustments if needed.

Thank you to all our career coaches for your help: Earl Barber, National Grid; James Branche, United Radio; Chad Casey, Ephesus; Greg Cleghorn, Bell Tenant Champions; Wally Dengos, National Grid; Kevin Devaney, SRC Inc.; Dan Figueroa, McIntosh Box & Pallet; David Gillan, ICS Solutions; Leah Isgar, CR Fletcher; Maxwell Krause, G.A. Braun; Joe Melita, SRCTec; Steve Midecke, SRCTec; Derek Moon, Byrne Dairy; Tyler Morris, Ephesus; Laura Snepenger, Sunoco; Gary Stevens,



SRCTec; Shane Stockhauser, McIntosh Box & Pallet; Brian Wilson, Ephesus; Vince Nicotra, QPK Design; and Christopher Yohe, Ephesus.



February 28th - Syracuse P-TECH career coaches visited ITC to help the 10th-grade students put the finishing touches on and test their Rube Goldberg machines. The project challenges students to build a design using multiple simple machines that will trip a mouse trap.

Thank you to all the career coaches who helped: Mark Daily, United Radio; Wally Dengos, National Grid; Kevin Devaney, SRC, Inc.; Dan Figueroa, McIntosh Box & Pallet; Dan Herring, SRC, Inc.; Leah Isgar, CR Fletcher; Maxwell Krause, G.A.

Braun; Dan Manwaring, WestRock; Mel Menon, DARCO Mfg.; Derek Moon, Byrne Dairy; Vince Nicotra, QPK Design; Shane Stockhauser, McIntosh Box & Pallet; and Dave Welsh, G.A. Braun

### AUBURN



February 17th - 9th and 10th-grade P-TECH students and Career Coaches had an exciting morning participating in a Roller Coaster Challenge at Auburn High School. The students and coaches were split into teams and engineered a roller coaster design

that a marble would travel down without falling off. The teams whose marble could travel the track at the slowest pace would win. The guidelines were that the coaster must have at least one loop, a turn, and a soft landing. Using the concepts the students had learned earlier about forces, motion, inertia, and energy helped during the design process. The students and Career Coaches built models out of foam pipe insulators and tape, decorating the cafeteria walls with their designs. The groups were timed, and the marble completing the track the slowest was 9.8 seconds. All the teams had fun and worked together which was the ultimate goal.



Thanks to: John Case, ZF TRW Automotive; Alan Dungey, Auburn Leathercrafters; Joe Giacona, Tessy; Dan Herring, SRC; Kyle Karasek, Tessy; Ed Onori, Beardsley; Andrew Rindfleisch, Welch Allyn; Katie Stout, CCC; and Erin Tones, Sunoco.