

PEQUANNOCK TOWNSHIP HIGH SCHOOL



STEM & AVIATION ACADEMIES

*PROFESSIONAL EXPERIENCE
NEWSLETTER*

MARKING PERIOD 3 EDITION



DEBRIEFING



Highlights from the 3rd Marking Period:

- Class of 2029 has been accepted into the STEM and Aviation Academies.
- New Course offerings for the academies are in development.
- Each class was provided with a opportunity to meet with industry leaders.

We appreciate the support of the community for helping to provide exceptional opportunities for our students!



STEM - GRADE 9

COURSE CONNECTION

EA is a global leader in digital interactive entertainment. They are recognized for a portfolio of critically acclaimed, high-quality brands such as EA SPORTS FC™, Battlefield™, Apex Legends™, The Sims™, EA SPORTS™ Madden NFL, Need for Speed™, Titanfall™, Plants vs. Zombies™ and EA SPORTS F1®.

Ulysses Tyre focused his discussion on his educational and career decisions that allowed him to become a game designer. He explained the game design process and his daily roles and responsibilities.



VIRTUAL GUEST SPEAKER:
ULYUSSES TYRE, EA SPORTS

AVIATION - GRADE 9



COURSE CONNECTION

Delta Airlines is one of the 4 largest air carriers in the United States offering more than 4,000 daily flights to over 250 destinations in 50 countries.

Captain David Sarkisian met with our students to talk about the needs of the aviation industry, the myriad of career opportunities, and his life as a captain for one of the largest airlines in world.



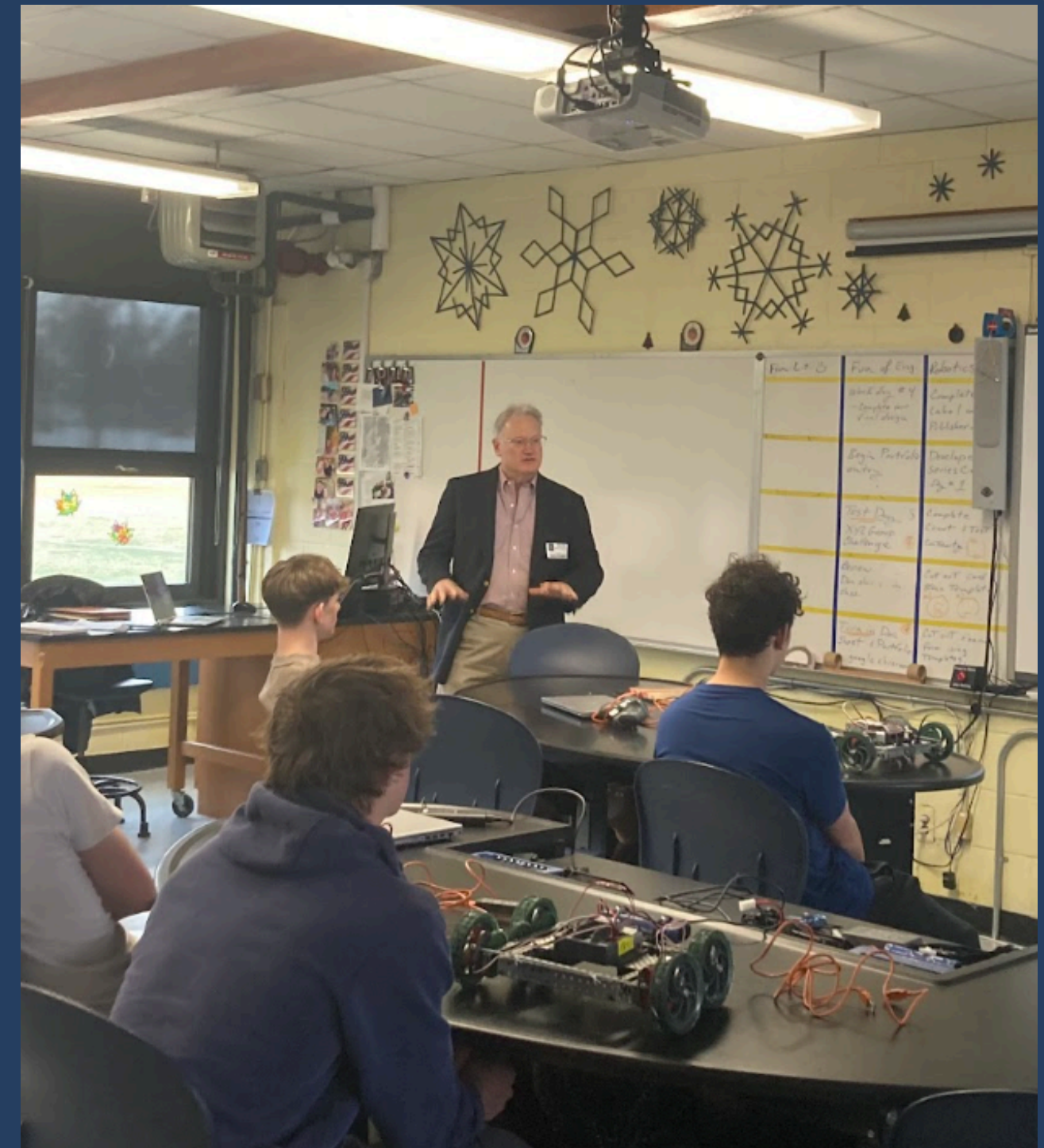
GUEST SPEAKER:
DAVID SARKISIAN, DELTA AIRLINES

STEM - GRADE 10

COURSE CONNECTION

Langan International provides an integrated mix of engineering and environmental consulting services in support of land development projects, corporate real estate portfolios, and the energy industry. Their clients include developers, property owners, public agencies, corporations, institutions, and energy companies around the world.

Michael Sameraro met with our students to discuss career opportunities in engineering and many of the projects that he oversees throughout the world.



GUEST SPEAKER:
MICHAEL SAMERARO,
LANGAN INTERNATIONAL

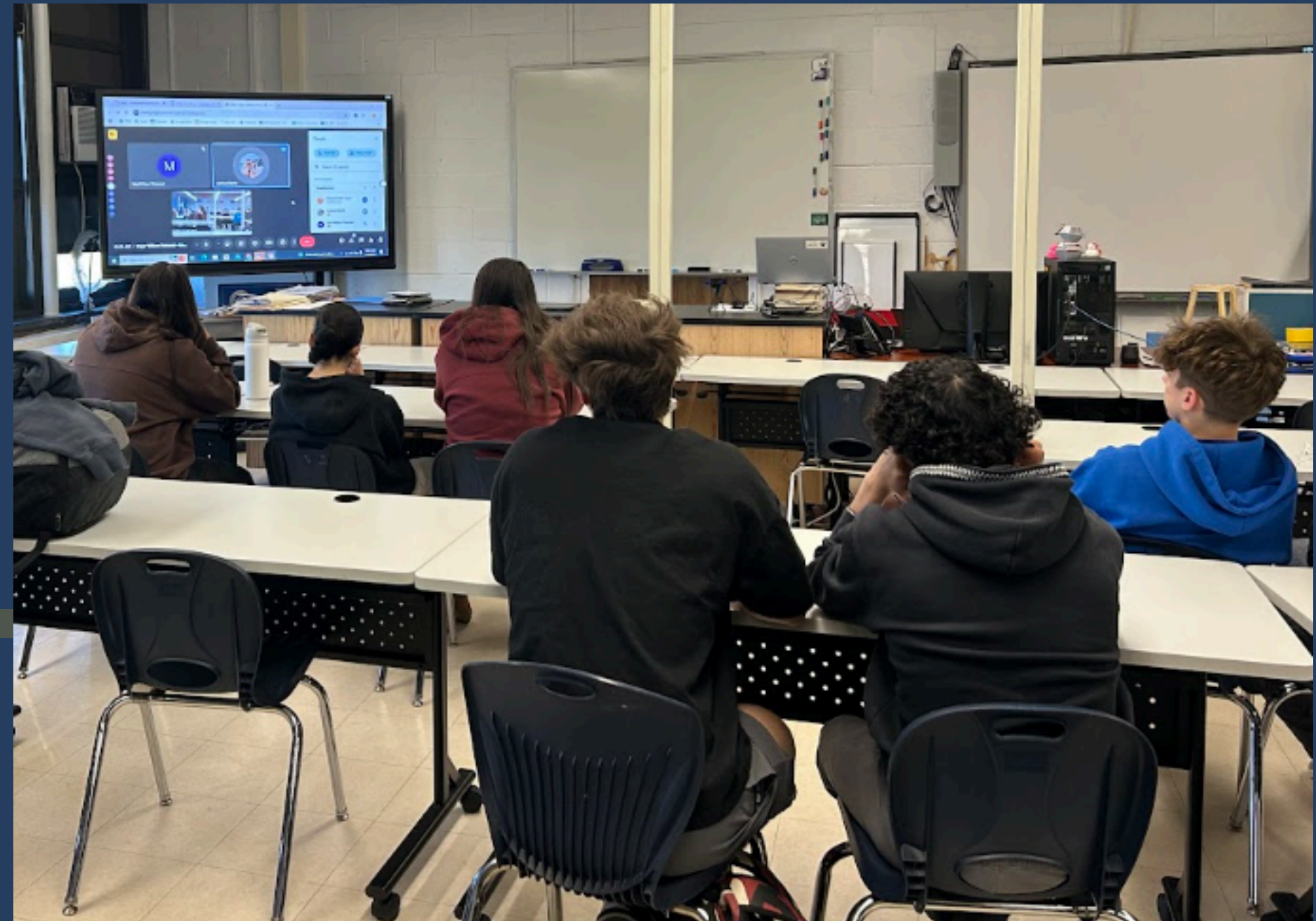


AVIATION - GRADE 10



COURSE CONNECTION

Major Bill Thimmel graduated from the Air Force Academy prior to a cross commission assignment to fly Cobra helicopters for the US Marine Corp. Currently stationed in the Phillipines, he oversees air field logistics for over 2,000 marines. He discussed his background and current roles and responsibilities.



VIRTUAL GUEST SPEAKER:
MAJOR BILL THIMMEL

STEM - GRADE 11



COURSE CONNECTION

Andrew Slaff is a Certified Cyber Intelligence professional working on various classified projects for the Department of Defense and NSA. Most recently he has been recruited to work for a government contractor on the east coast.

Andrew discussed his educational background, unique career path, and importance of cyber security.



VIRTUAL GUEST SPEAKER:
ANDREW SLAFF, DEPARTMENT
OF DEFENSE

AVIATION & ALLIED HEALTH 11 & 12



COURSE CONNECTION

Ian Azaredo is an aviation engineer and self-described adventure junkie. After surviving a near-fatal skydiving accident, Ian spent over a year recovering to the point where he can now walk with the assistance of a motorized exoskeleton on his leg. Although he promised his doctors that he would never skydive again, Ian still has a love for flying. In 2024, Ian earned his sport pilot's license through an adaptive program due to his disability. He also earned his A&P license (aviation mechanic) and is currently restoring an Aircoupe. This is an airplane that does not use rudder pedals.

Ian is currently an aeronautical engineer who works for a company that installs lifting hoists on helicopters. He is still an adventure junkie and scuba dives in exotic locations with his wife.



GUEST SPEAKER:
IAN AZAREDO, SKY DIVING ACCIDENT SURVIVOR

STEM - GRADE 12

COURSE CONNECTION

Konica Minolta Healthcare is a world-class provider and market leader in medical diagnostic imaging and healthcare information technology. The company's focus is to contribute to life changing advances through the transformation of primary imaging, allowing the invisible to be seen. Primary imaging, the most commonly used medical imaging technologies, include X-ray, ultrasound and imaging management systems. By advancing these readily available technologies, we can bring greater diagnostic capabilities to the greatest number of people.

GP Delvecchio provided a tour of the Konica Training facility and demonstrated the equipment.



STEM CAPSTONE BUSINESS VISIT:
KONICA MINOLTA

STEM - GRADE 12



COURSE CONNECTION

Krowne is celebrating its 75th anniversary as a 3rd generation, family-owned company manufacturing in the U.S.A.

Krowne has solidified its reputation as the leader in the under-bar industry through an aggressive program of internal product development, plant expansions, and investments in cutting-edge robotic machinery.

The owner and sales team met with our students to discuss the vision and future of Krowne Metals, employment expectations, career advice, and provided a tour of the manufacturing facility.



STEM CAPSTONE BUSINESS VISIT:
KROWNE METALS

CLASSROOM LEARNING



View from
Mr. Nancoz's Plane



Freshmen working on
the flight simulator



Juniors Flight Planning



Rocket Launches



SAVE THE DATE:

CAPSTONE NIGHT

**MAY 28TH, 2025
@ 7:00 PM**

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@PTHSACADEMIES