

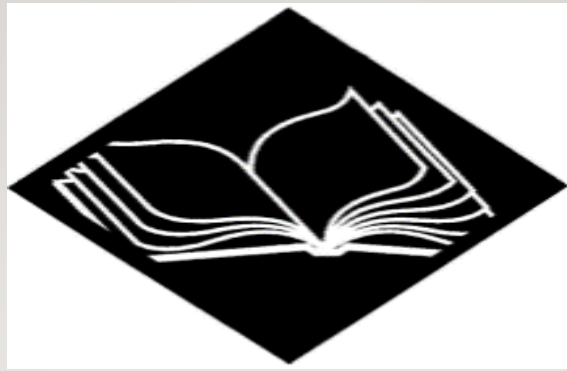
NIAGARA FALLS CITY SCHOOL DISTRICT P-TECH(PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOL)

PARENT INFORMATION NIGHT

P-TECH MECHANICAL TECHNOLOGY

P-TECH COMPUTER SCIENCE

SPRING 2024



WELCOME AND INTRODUCTORY REMARKS

Mr. Laurie - Superintendent



P-TECH PROGRAM SUMMARY

- P-Tech is a grant-funded program that recruits students in the 8th grade into one of two pathways that the NFCSD offers in Mechanical Technology and Computer Science
- Students start the program by engaging in a summer camp after grade 8, then follow a course sequence throughout high school which includes dual enrollment/college credit classes
- Students can earn their Associates degree in 4-6 years **at no cost** – all tuition is paid through the grant. We work with our higher education partner NCCC and our local business partners to make this program possible
- Students engage in workshops, fieldtrips, a speaker series, college planning, job shadowing and internships throughout their high school career. Students will have opportunities to interview with local businesses for jobs in their respective fields



NFCSD OFFERS 2 P-TECH PROGRAMS YOU CAN CHOOSE TO ENTER EITHER PROGRAM

- **Mechanical Technology and an additional pathway in Engineering**
- Some of our business partners are:
 - New York Power Authority
 - Linde
 - Stavatti Aerospace
 - VOSS Manufacturing, Inc.
 - Olin
- **Computer Science and an additional pathway in Computer Information Systems**
- Some of our business partners are:
 - Niagara Falls Medical Memorial Center
 - M and T Tech Hub
 - VOSS Manufacturing, Inc.
 - Ingram Micro



APPLICATION PROCESS

- After tonight's presentation and our mini career fair you can determine which program may be of interest to your child
- You can contact Mrs.Valerie Rotella Zafuto or Ms. Bhawna Chowdhary to ask any questions you may have. vrotella@nfschools.net and bchowdhary@nfschools.net
- Online applications for both programs will be posted on the Niagara Falls City School District website on March 18-May 15. Once on the site click on the P-TECH tab
- Applications will be reviewed and notices of acceptance will be sent in late May
- In June each Prep School will host a signing day at which we celebrate students' acceptance into both P-Tech Programs during the first week of June



MECHANICAL TECHNOLOGY PROGRAM



- In Jan of 2020, NFCSD was awarded a 7 year, \$2.28 million Pathways in Technology Early College High School Grant (PTECH).
- The PTECH grant is designed to give students early access to college courses as well as early access to career training and preparation. Students will be provided the opportunity to accumulate up to 24 credit hours while in high school through NCCC, toward an associates degree in Mechanical Technology. They will also have access to job shadowing, internships and on the job training through our business partners, Stavatti Aerospace, NYPA, Olin and others.

MECHANICAL TECHNOLOGY PROGRAM

- 9th Grade - CFM and other high school requirements. 1st college course MET 110 summer of 9th grade.
- 10th Grade - CFM2, STEM Applied Innovations, MAT 111 Advanced Algebra Trig. Summer of 10th Grade TEC 110 Introduction to Technical Calculations
- 11th Grade - 3 College credit bearing courses: DRF 180, TEC 102, ENG 101. Summer of 11th grade DRF 279 Technical Seminar
- 12th Grade - TEC 120, ENG 103 and Physics, Job shadowing and Internships.
- *Students can advance through PTECH program at their own pace. There is built in after school academic support 2 days per week. Most students will require an additional year to complete degree requirements.

PTECH Student's Credentials Upon High School Graduation

- CDOS certificate
- Regents diploma
- 24 College bearing credits toward Associates degree in Mechanical Technology

PTECH SUMMER CAMP - JULY 15-26

Algebra, Team Building and Guest Speakers.

- Students will participate in an algebra booster block to build algebraic skills. During this time, students will also engage in team building activities and will hear from guest speakers in the field.
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Engineering

- Students will create water bottle rockets. In this activity, students learn about the basics of aerodynamics and flight by designing, building and launching water bottle rockets. 3 mini activities will facilitate students investigating topics such as center of drag, center of mass, and momentum and impulse.

Speaker Series and Parent Engagement

- Professionals in the field will provide 1st hand accounts of their chosen careers and pathways. Upon completion of camp, parents will be invited to catch a glimpse of their child's growth and learning.



COMPUTER SCIENCE PROGRAM

- The NFCSD was the proud recipient of 1/12 schools in WNY to receive the P-Tech Grant in Computer Science in 2023.
- Similar to the MET Grant we are now recruiting students in grade 8 to sign up for the Computer Science Program.
- We will have a summer camp from July 15-July 26 and then students will take courses throughout high school towards an Associate's degree in Computer Science or Computer Information Systems from NCCC at no cost to you. During summer camp you will engage in Web Design and Coding activities. You will also get to improve your Math skills.
- Some courses that you will take at the High School are Computer Science, Computer Systems, Financial Accounting, Managerial Accounting, Writing for STEM, Cybersecurity, Business Communications, Math, Coding and more.

P-TECH SUMMER CAMP VIDEO

- [PTECH Summer Camp 2021](#)

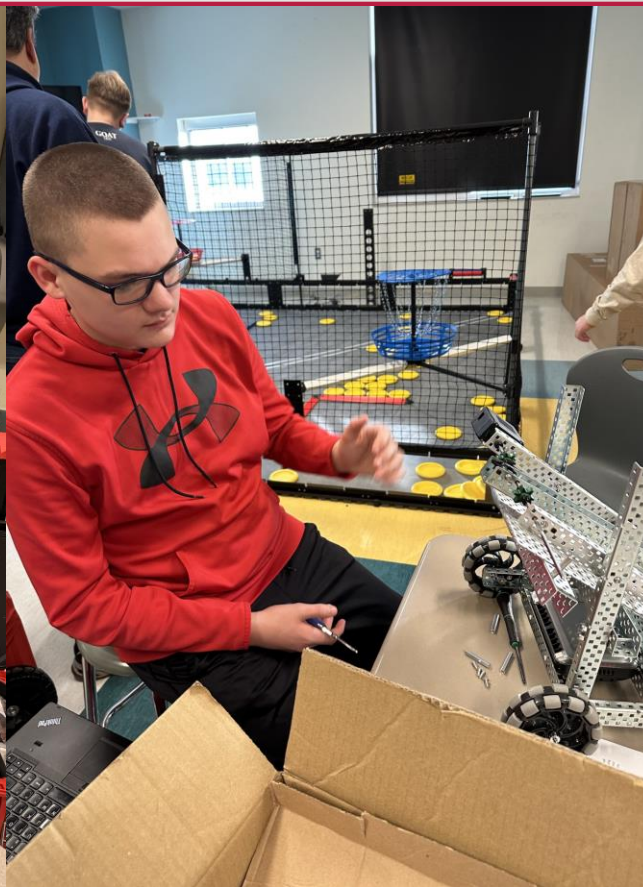


SIGNING DAY FOR P-TECH PROGRAM



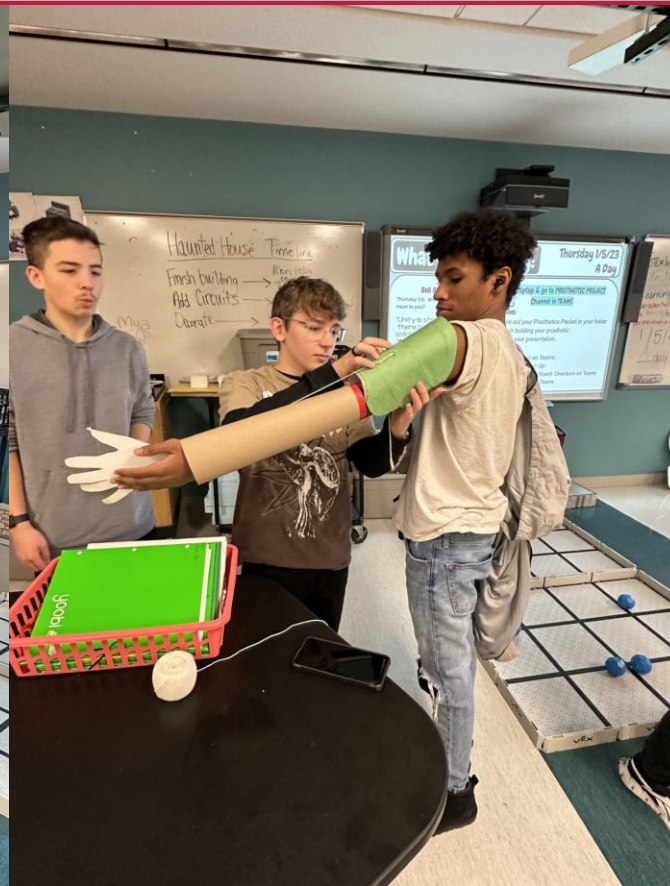


STUDENTS IN ROBOTICS CLUB



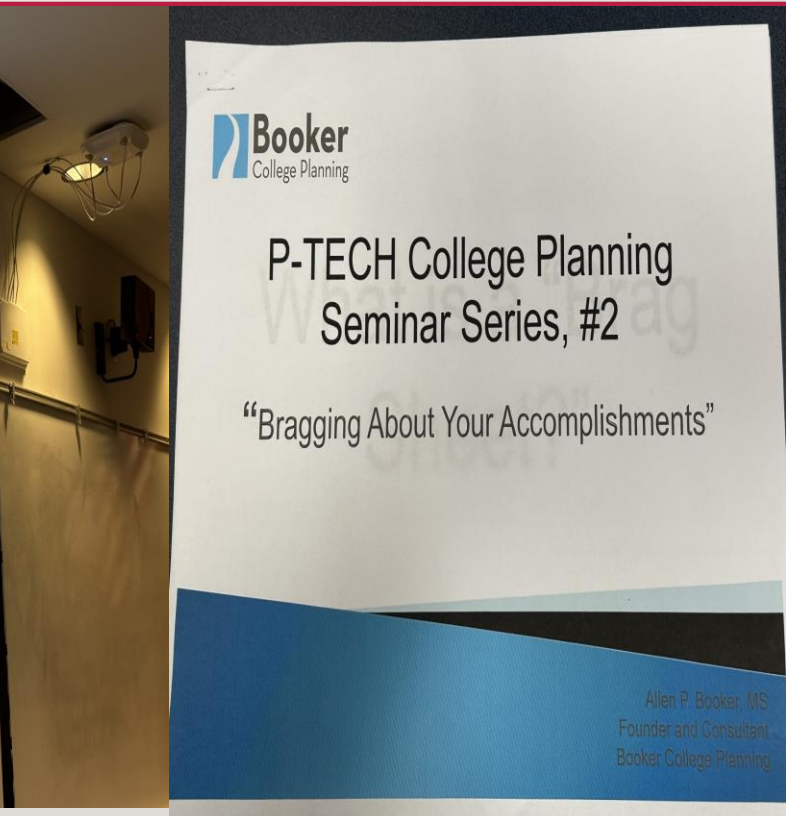
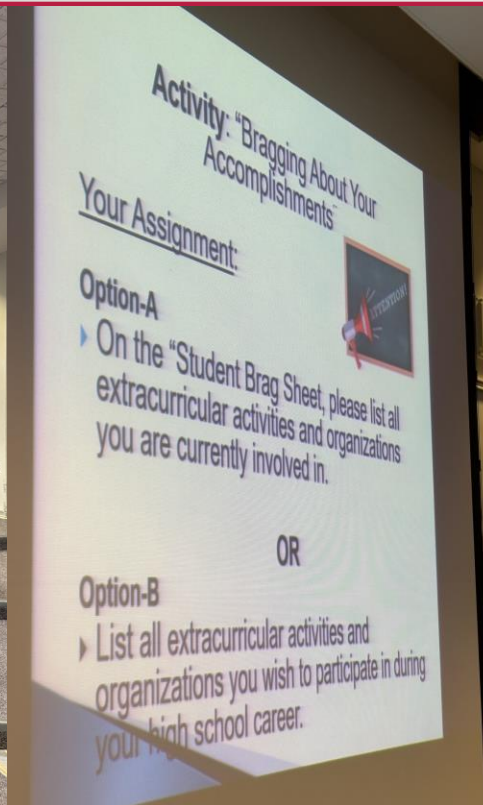


STUDENTS IN MISS DALPORTO'S CLASS



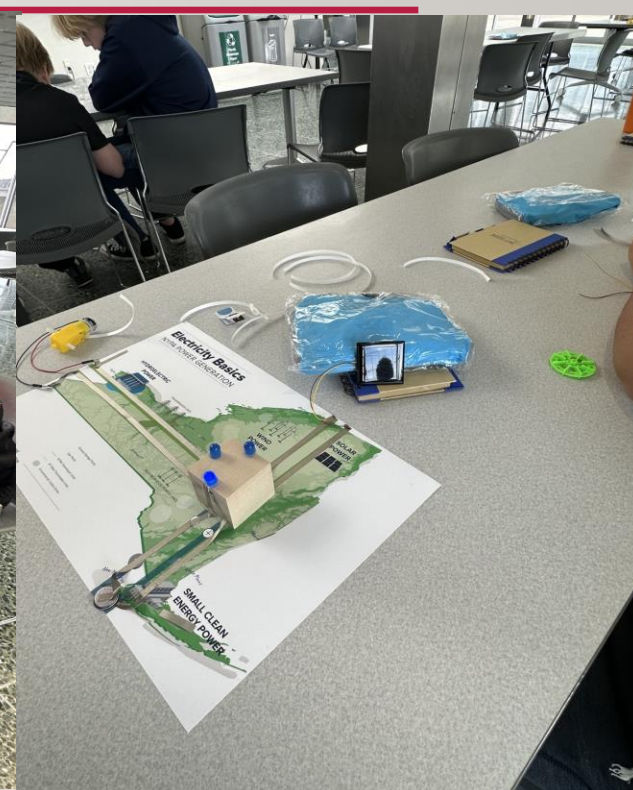
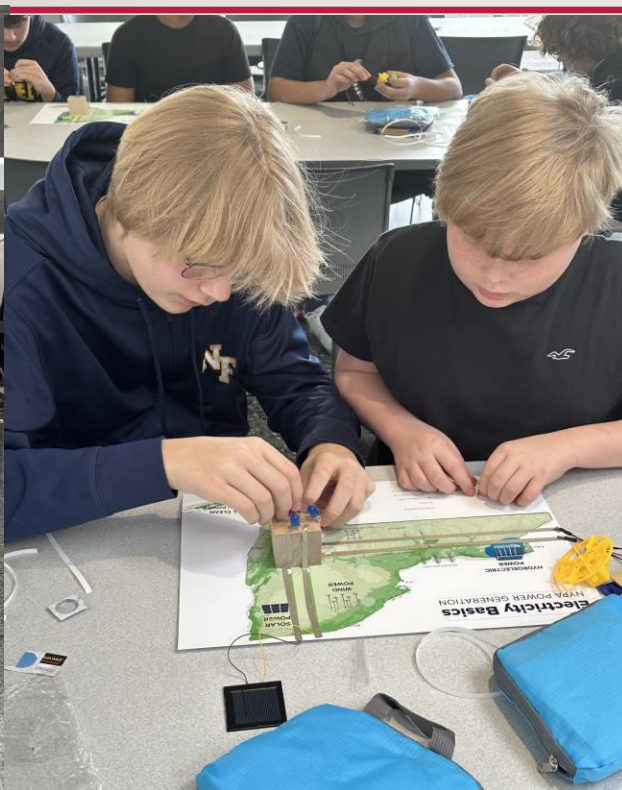


STUDENTS ATTENDING BOOKER COLLEGE AND CAREER PLANNING AT NFHS





STUDENTS AT NYPA-(NEW YORK POWER AUTHORITY)





STUDENTS AT SAVOR CULINARY INSTITUTE- CAREER SPEAKER SERIES





STUDENTS AT NATIONAL GRID- JOB SHADOWING





CONCLUSION

- Please join us now for an opportunity for you to learn more about the two P-Tech Programs in the cafeteria.
- We have all our business partners, our higher education partners and teachers as well as students who will share with all of you more about our P-Tech programs
- Starting Monday March 18 the two P-Tech Applications will be available on our NFCSD District Website
- There are light refreshments that are also being served in the cafeteria