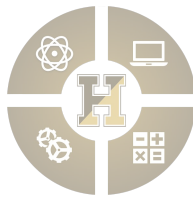# Career Technical Education

Haverhill High School

Program Design Goals

Build programs that:

1. align with the Northeast Regional Blueprint identified as priority STEM industries

2. provide students with industry skills & certifications to access livable wage STEM careers

3. help fill the STEM workforce labor gap

4. have a sustainable funding source (DESE designation)

HHS CTE Programs

Information Technology
Chapter 74 Vocational & Perkins CTE (2015/16)

Healthcare Occupations
Perkins Non-Chapter 74 CTE & Innovation Pathway (2016/17)

Computer Science & Web Development
Chapter 74 Vocational & Perkins CTE (2017/18)
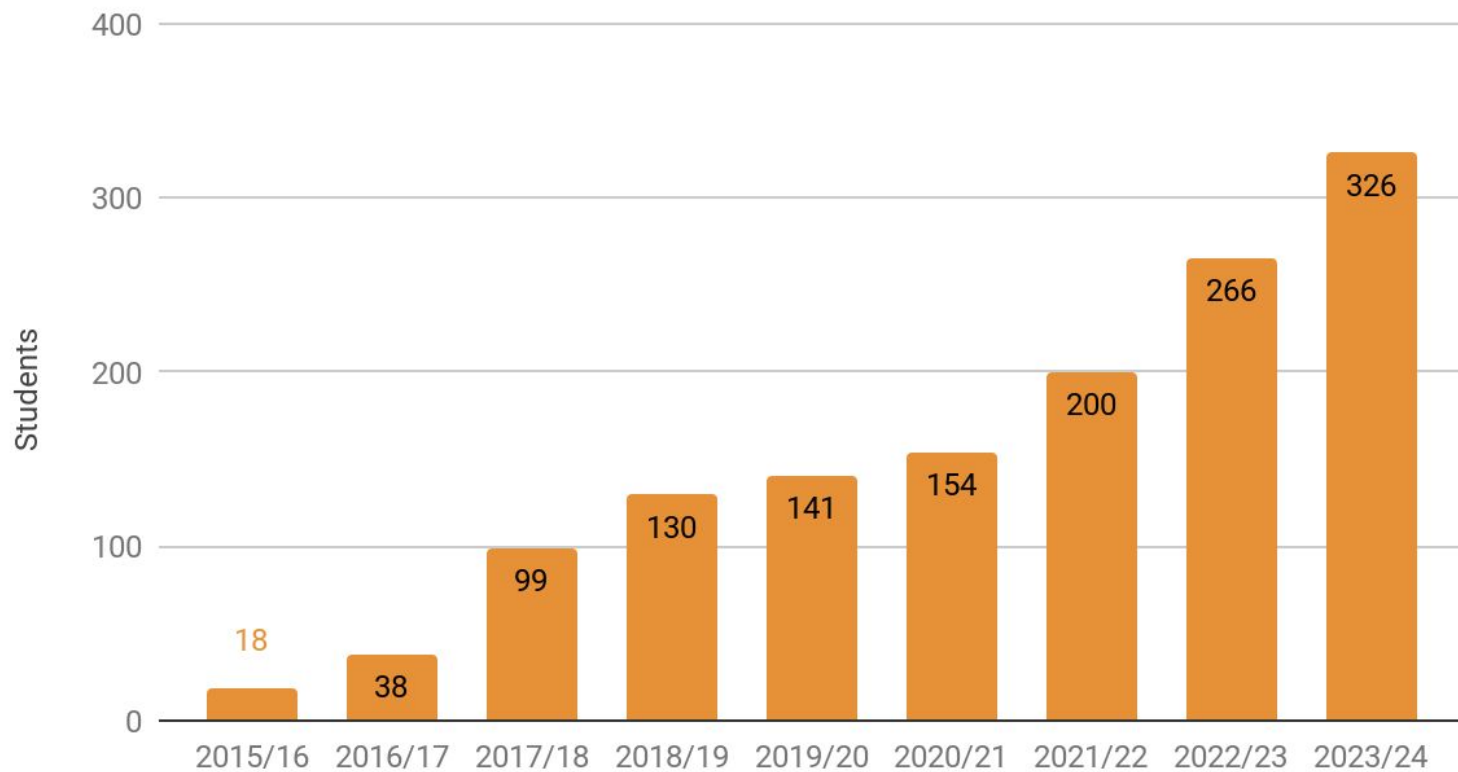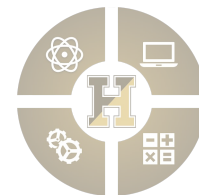
PLTW Biomedical Science
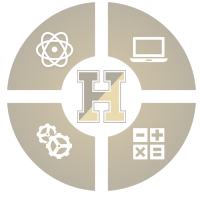Perkins Non-Chapter 74 CTE & Innovation Pathway (2022/23)

PLTW Engineering/Manufacturing
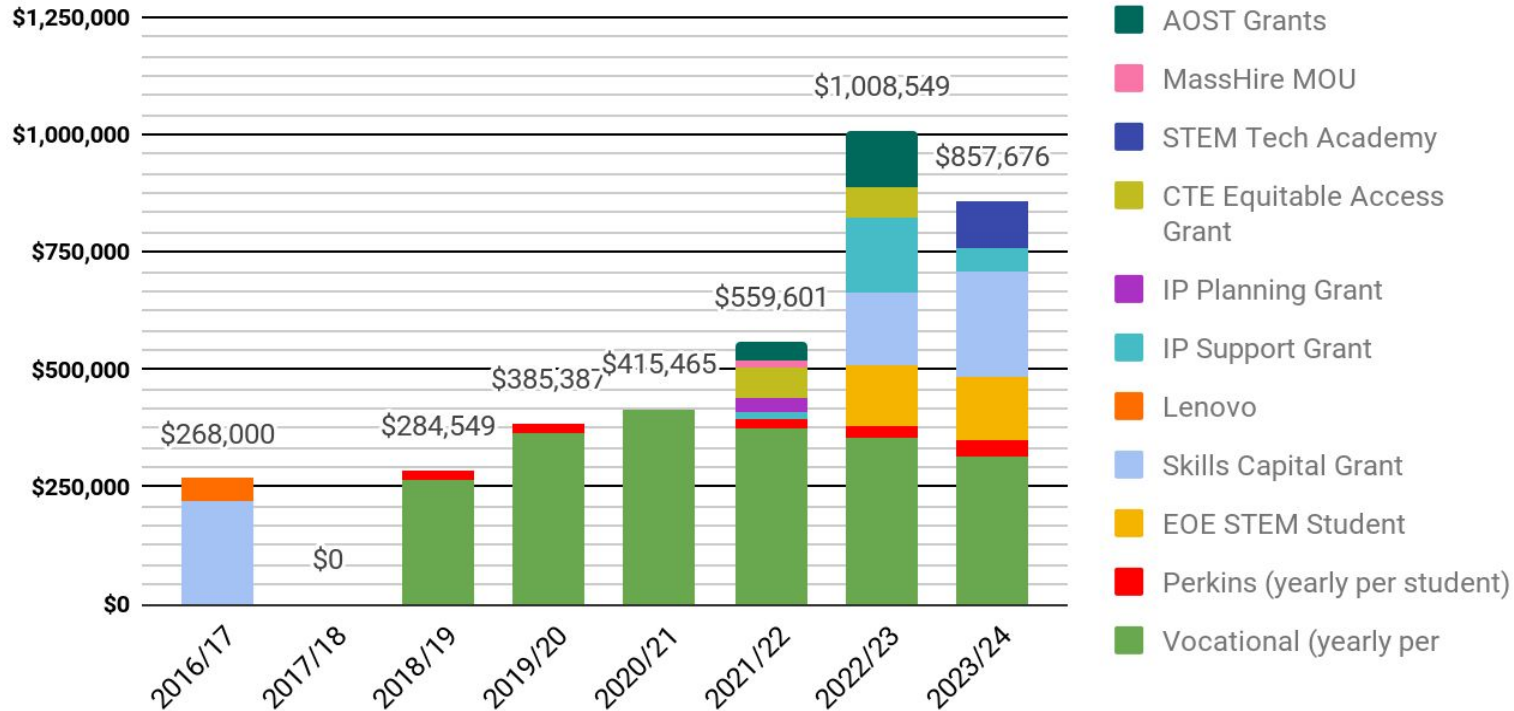Perkins Non-Chapter 74 CTE & Innovation Pathway (2023/24)
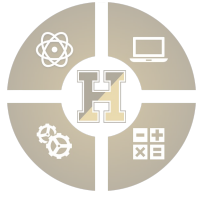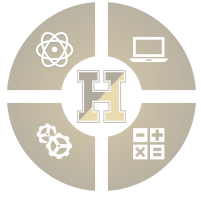
CTE Student Enrollment

CTE Funding

Grants and Funding

Goals to Support Program Growth

1. Recruit and retain students that are underrepresented in STEM careers

2. Increase access to post-secondary opportunities

3. Provide wrap around services to support our most at risk populations

4. Recruit and hire bi-lingual staff

CTE Support Services Added Since 2021

- **Bi-lingual Staff: Internship Coordinator, CTE Recruiting and Retention Specialist, Job Coach**

- **Established a CTE Student Support Center**

- **Bi-lingual After School Out of School Support**

- **Bi-lingual In-class CTE Support**

- **Partnered with NECC to provide CTE Innovation Pathway students a no-cost Associate's Degree**
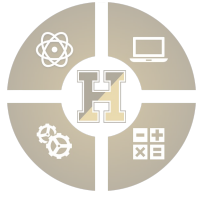
Over 580 Internships Completed Est. 2010

383 Industry Certifications Earned

525 Career Activities Each Year

Saidatu Yussif Grade 11 Healthcare Occupations Program

Internship: LGH Labor and Delivery (career choice)

Working in Healthcare: Home Health Aid
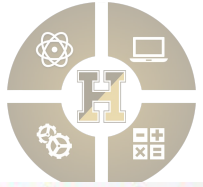
Clinical: experience, prepared for CNA Exam

College Acceptance: stronger candidate

Student Govt: professionalism & leadership

Hannaly Herrera Gr 11, Gianni Salcedo Gr 11

PLTW Biomedical Science

Integrating College and Career Learning into the Classroom

Principles of Biomedical Science
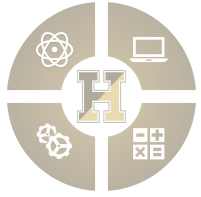
Human Body Systems

Medical Interventions

Biomedical Innovations Capstone

Leah Aquino Grade 9 PLTW Biomedical Science

Internship: Work-Based Learning Alliance Student Industry Connects Program- Virtual Summer Internship

Industry Certifications in OSHA, CPR, and Stop the Bleed

One Eight Foundation Feedback from Professionals

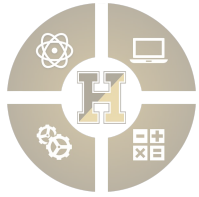
Winners of the Freshman PLTW Rookie Award :
Leah Aquino, Arelis Adames, Michael Seitz
Medical Investigation Case Report Video chosen from all PLTW project submissions from across the state
Video Link

PLTW Engineering/Manufacturing
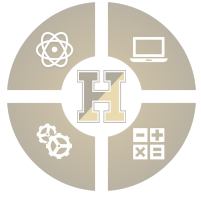
Kailyn Aquino

Member of first engineering and manufacturing cohort - class of 2025

Plans to study mechanical and civil engineering in college

MA State Diving Champion 2023

Emmanuela Raymond Grade 12 Computer Science

Senior in the Computer Science and Web Development program

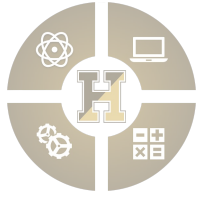Will be attending WPI for Computer Science

Women in Technology Event Coordinator

National Center for Women in Information Technology
Computing High School Award

Internships: Haverhill Public school IT,Cyber Warrior

Information Technology Grade 9 Isabel Whittaker

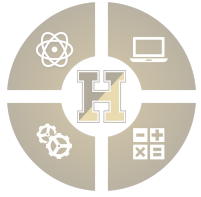

UML Girls STEM Summit

Women in Technology Events
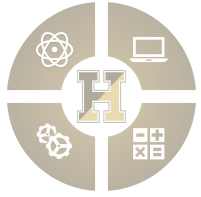
Summer Internship: STEM Career Awareness

Favorite Class Activity: Building Vex Robots

Women in Technology & Girls STEM Summit

Antonio Navarro Gr 11 3D Printing in IT

Repair 3D Printers

Ran a 3D Printing Workshop for Middle School
Tech Teachers and gave them 3D printers that I fixed.

Design and Print:
- signs for teachers
- key chains for clubs
- colored bears for Middle School recruiting events
- thank you gifts for guest speakers
- phone holders

Summer Internship: HPS Chromebook Repair Program