

Why do we have Career Academies at Fordson High School?



MOST JOBS THAT WILL BE AVAILABLE IN 2030 DON'T EXIST TODAY



Only 1/2 of students

FEEL CONFIDENT THAT THEIR EDUCATION AND WORK EXPERIENCE WILL PREPARE THEM FOR THOSE NEW JOBS



Data taken from a survey of 293 students conducted by WestEd for NewSchools in February 2018.



THE ACADEMIES OF DEARBORN

MY PURPOSE • MY PATH • MY FUTURE

The Vision:

Education with a Purpose

The Mission:

To prepare **every student** for **post-secondary success** in college and/or career by collaborating with industry, post-secondary and community partners to ensure all students engage in a program of study that provides a comprehensive and career focused curriculum.

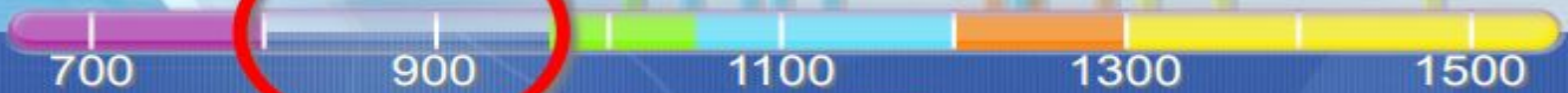
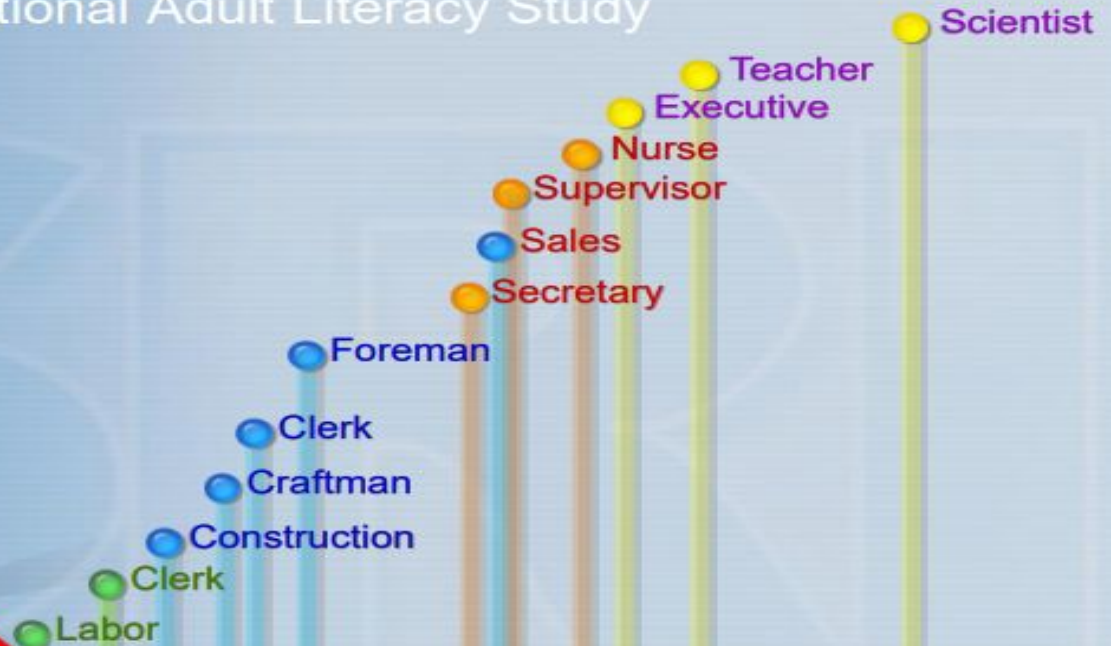
**The Academies
of Fordson's
School-Wide
Reading Goal**

**SRI
1200+**

**Did you know that a
reading lexile (SRI
Score) of 1200+ is
needed to be
successful in the
high skill/high wage
careers that we want
for our students?**

On-the Job Lexile Requirements

National Adult Literacy Study



Lexile Score

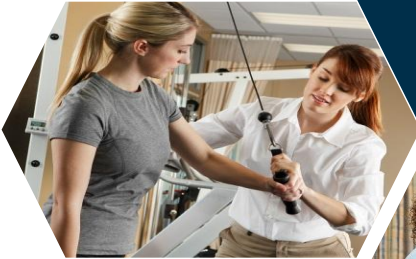
Did You Know?

There are many careers that do not require a four year degree!

Occupational Therapy Assistant

Job Growth: 16.7%

Wage Range:
\$45,000-\$60,000



Diagnostic Medical Sonographer

Job Growth: 8%

Wage Range:
\$54,000-\$72,000



Web Developer

Job Growth: 2%

Wage Range:
\$45,000-\$81,000



Dental Laboratory Technician

Job Growth: 25.6%

Wage Range:
\$33,000 - \$54,000



Computer Support Specialist

Job Growth: 2.5%

Wage Range:
\$37,440 - \$60,000



The Academies of Dearborn Public Schools @ Fordson

Academy of
Business and
Hospitality

Academy of
Health Sciences

Academy of
Human
Services

Academy of Industry,
Technology and
Innovation



Academies of Dearborn Public Schools @ Fordson Pathways

Business and Hospitality

- Accounting
- Business Management
- Culinary Arts
- Fashion Design
- Hospitality
- Interior Design

Health Sciences

- Dentist
- Dental Hygiene/Assistant
- Doctor
- EMS
- Nurse
- Nurse Assistant
- Nutrition
- Therapeutic Services

Human Services

- Broadcasting
- Counseling
- Education
- Education Parapro
- Law Enforcement
- Lawyer
- Paralegal
- Psychology
- Social Work

Industry, Tech and Innovation

- Architecture
- Automotive Tech
- Carpentry
- Computer Tech
- Construction
- Electrical
- Engineering
- Graphic Arts
- Photography
- Plumbing
- Welding

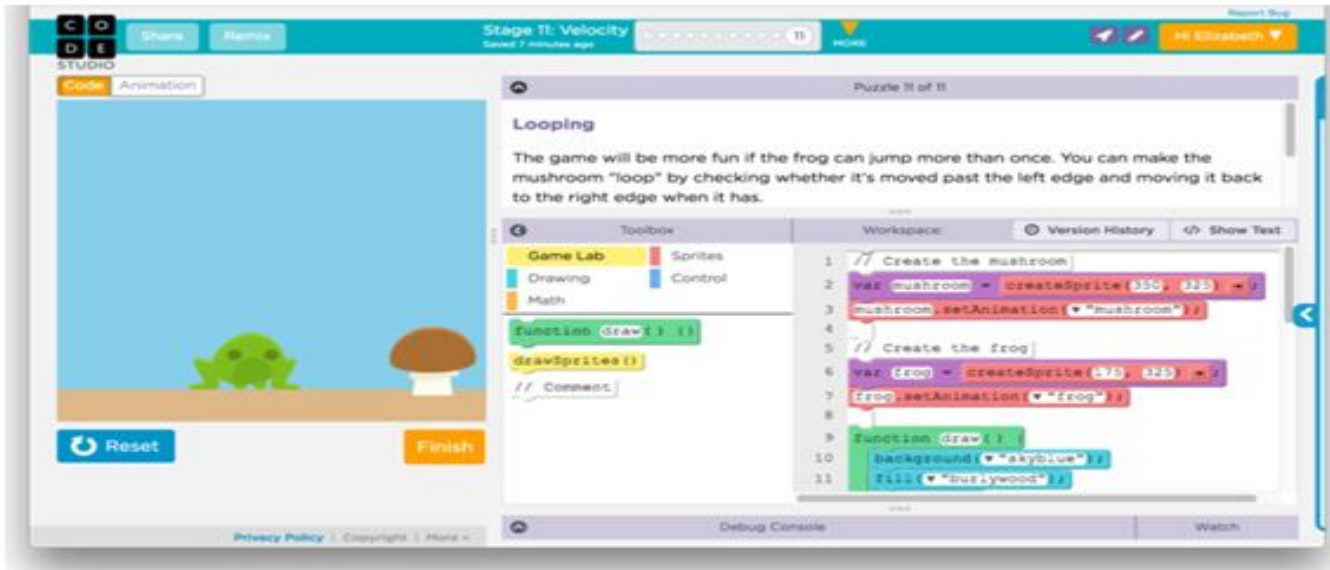
The Academies of Dearborn @ Fordson High School

YouScience: Measures students SKILLS and INTERESTS to help match them with careers

- 10 brain games- identifies your natural abilities and links them to matching careers. Careers that you would be good at.
- Learn what it takes to be successful at these careers and where you can go to get the training and education you need.
- Your results are used to help you choose your academy and to match you with **potential opportunities** like work-site visits, job shadowing and internships your junior and senior year.

Code.org Computer Science Discoveries Curriculum

CS Discoveries is an introductory computer science course teaching coding to solve real world problems using real world projects. This class stresses the 21st century skills of creativity, problem solving and communication.



Images and
Animation to
Building
Games

FHS Coding Class: Help to build your 21st Century Work Skills

Introduction to Robotics

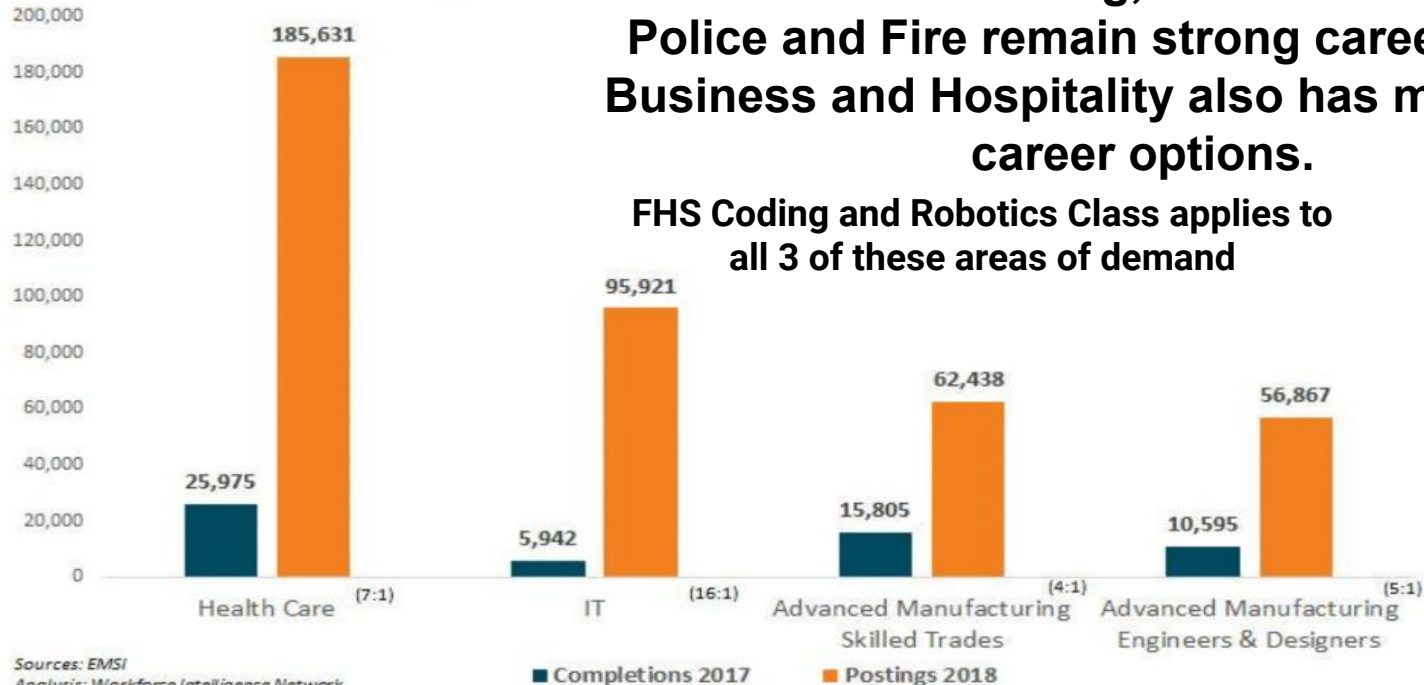
- Creative Thinking
- Engagement-hands on experience
- Prepares students for the future and changes in technology
- Achieve programming skills
- Involves teamwork
- 21st Century Skills



Introduction to Robotics- Helping you to gain 21st Century skills for the jobs of the future!

Where are the jobs in Michigan?

Demand is high



Sources: EMSI
Analysis: Workforce Intelligence Network

Although not reflected here: Human Services is an area unlikely to be hit hard by the growth of automation: Teaching, Social Work, Lawyers, Police and Fire remain strong career options. Business and Hospitality also has many strong career options.

FHS Coding and Robotics Class applies to all 3 of these areas of demand

Henry Ford

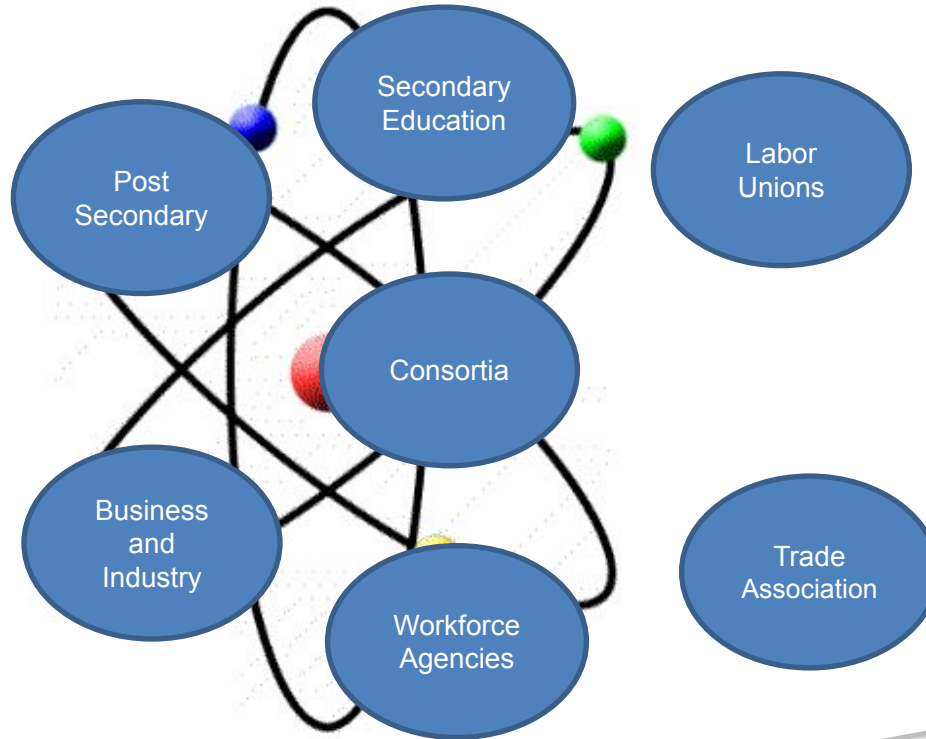
Middle College Trade School



Henry Ford Middle College Trade School

The Henry Ford Middle College Trade School Program multi-district consortium, is a stand-alone, dual-enrollment Collegiate Academy combining classroom instruction at each student high school, career and technical education classes at Henry Ford College, project-based education, work-based learning and school-to-apprenticeship opportunities, and credentialing.

Henry Ford Middle College Trade School



Henry Ford Middle College Trade School

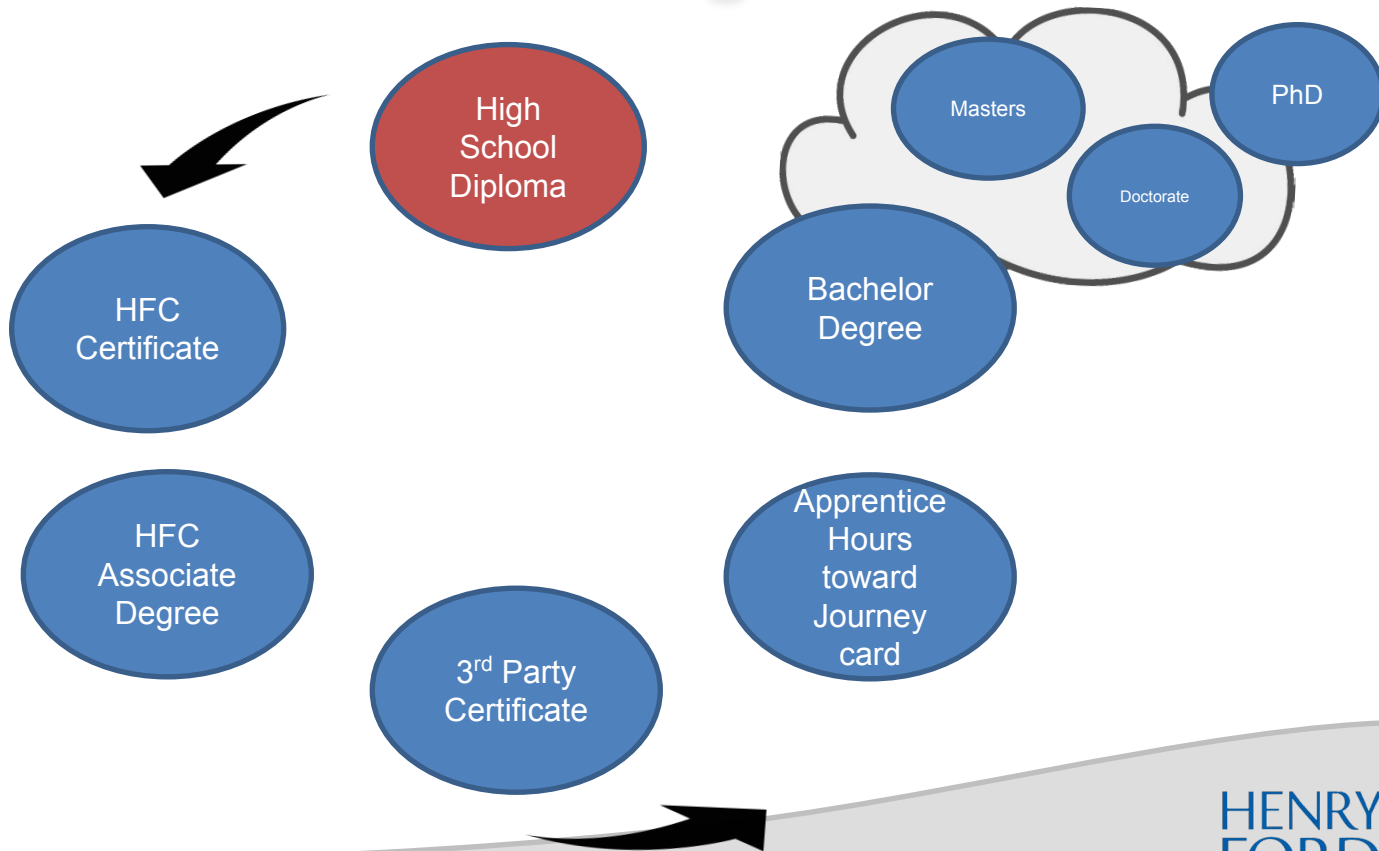
Students will commence their Trade School Program studies as early as 11th grade and progress through the Trade School Program for up to three years. While completing their regular schooling, Trade School Program students will also be advancing toward achieving one of the following:

- HFC Certificate
- An Associate Degree in Applied Science
- The Michigan Early/Middle College Association Technical Certification
- A 3rd party certification (as applicable)
- Earning up to 30-60 college credits
- Classroom hours toward journey card (as applicable)
- License in a technical trade (as applicable)

Henry Ford Middle College Trade School

Successful students may earn:

- *High School Diploma*
- *HFC Certificate*
- *HFC AAS Degree*
- *3rd Party Certification*
- *Apprenticeship Hours toward Journey Card*
- *Bachelor Degree*



Henry Ford Middle College Trade School

Opening this Fall 2020, the Henry Ford College Middle College Trade School will offer the following programs:

- Machine Tool Technology/CNC
- Electrical Engineering Technology
- Heating Ventilation Air Conditioning (HVAC)
- Computer Information Systems – Cybersecurity
- Computer Automated Design (CAD)

Fall 2021, HFC will launch new certificate and introductory courses in:

- Plastic Injection Molding (certificate)
- Civil Testing & Inspection Technician (certificate)
- Automotive Cybersecurity (certificate)
- Drone Technology (Design and Programming) - course
- Virtual and Augmented Reality (course)
- Product Design (course)

Henry Ford Middle College Trade School

Applying to HFC:

<https://www.hfcc.edu/steps/apply/high-school>

Interested students should contact their counselor