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Passaic County Vocational and Technical High School  
Wayne, New Jersey  
Computer Integrated Manufacturing



# School Participation

PCTVS has been named a Center of Excellence

Large high school over 4000 students—STEM school also

We participate in the

- Design and Prototype Challenge
- Machining
- Culinary

# Design and Prototype

- Students participate in the challenge by choosing one project per class
- Classes are a shop class which are 2.5-3.5 periods per day
  - Classes do HUNCH as a complement to PLTW\_CIM engineering class
- Students determine by brainstorming and decision matrix which project to complete

STEM school has a one period class with more traditional approach



# Vocational High School

- Although we do not use outside consulting from businesses, classes do rely on help from other shops within our school.
- This includes welding, carpentry, print shop and building maintenance. Building relationships with other teachers within our school is important to our success.

# Class Information

- Class is divided into different groups
  - Research, CAD, Design, Build, Presentation, Graphic Arts

Not simple to grade if that is necessary in your class

It becomes apparent which students work hardest on these projects

No work is done after school; all within classtime

Opening biomedical building next year

