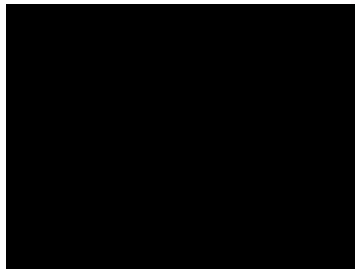


# Highland Park Senior High

Agriculture, Computer Science, Engineering,  
Film, & Woodworking

The presentation  
will begin in:



# 9<sup>th</sup> grade course offerings

- Project Lead the Way – College Credit
  - Principles of Engineering: Two Semesters
  - Engineering Design: Two Semesters
  - Civil Engineering and Architecture - Two Semesters
  - Computer Science Principles - Two Semesters
  - Cybersecurity - Two Semesters
- Computer Science
  - Computer Programming: One semester

# 9<sup>th</sup> grade course offerings

- Agriculture-All one semester
  - Introduction to Agriculture
  - Floral Design
  - Plant Science
  - Natural Resources
  - Food Justice and Sustainability
  - Food Science

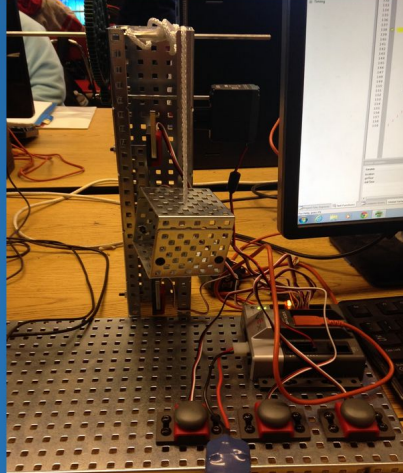
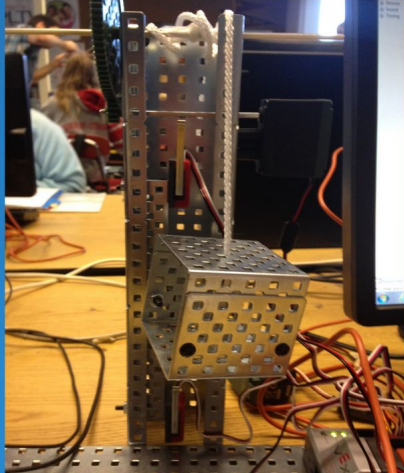
# 9<sup>th</sup> grade course offerings

- Woodworking & Design
  - Digital Design & Fabrication
  - Beginning Woodworking
  - Intermediate Woodworking (semester 2)

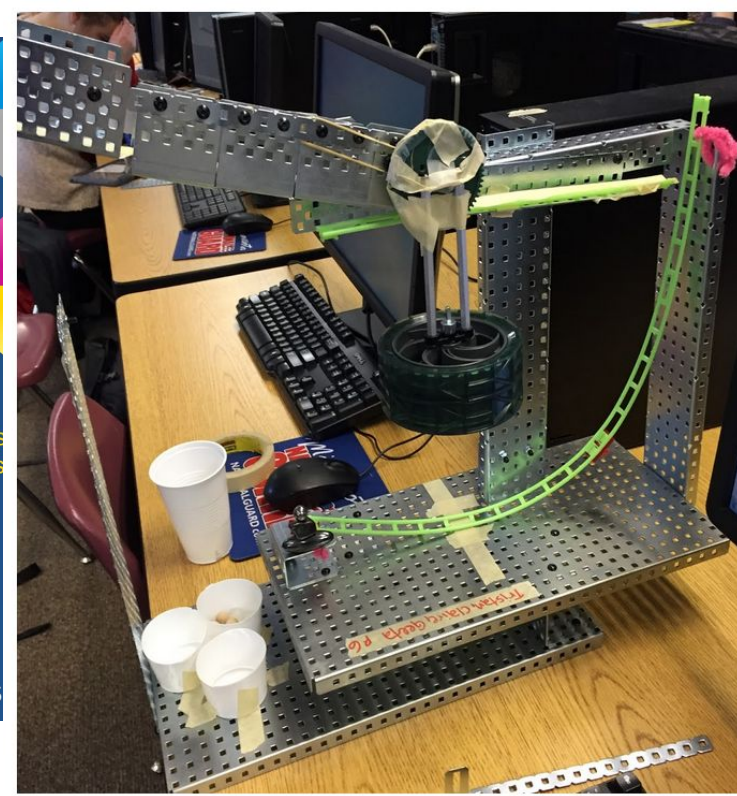
# PHOTO OF MACHINE AND LINK TO YOUTUBE

Youtube Link: <https://www.youtube.com/watch?v=lp4KgtLzF38>

se-up of  
vator Shaft  
cluding limit  
ches,  
rs, rope,

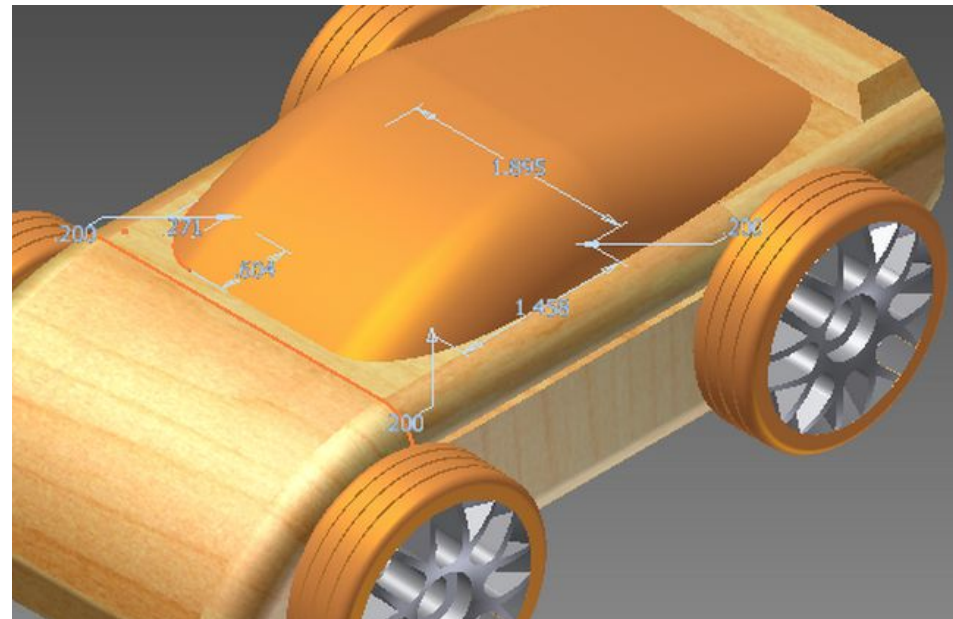
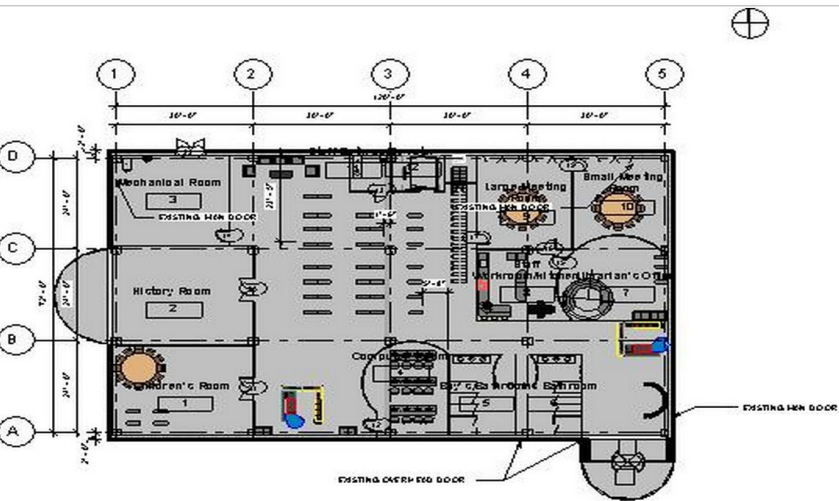


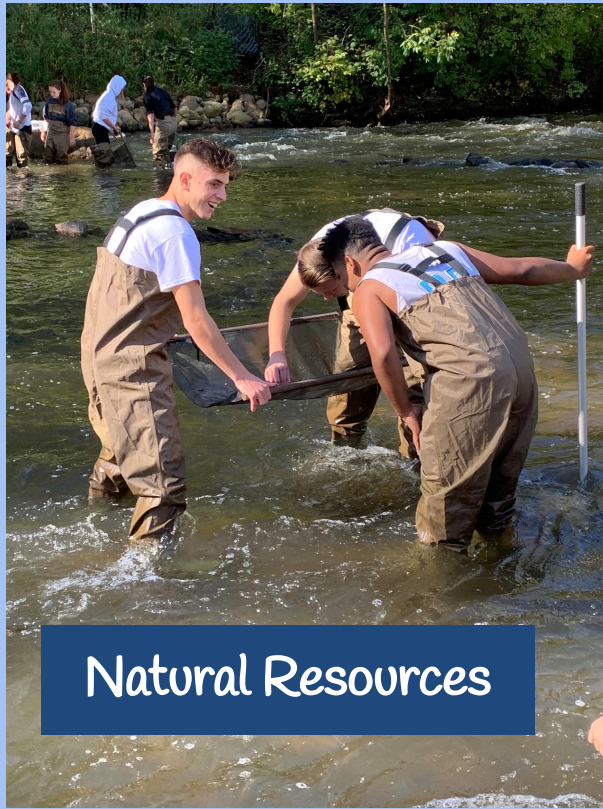
Full Elevator,  
including LEDs,  
bump switches,  
cortex, etc.



15

# Ground Floor





Natural Resources



Food Science



Plant Science



Floral Design

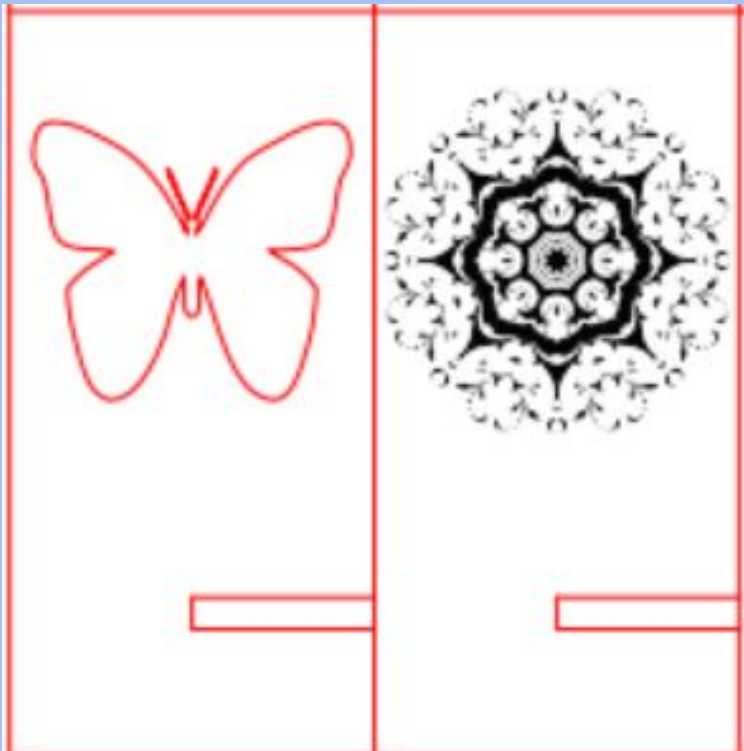
# Woodworking

- Hand tools
- Power tools
- Wood joinery
- Wood turning
- Wood finishing
- Graphic Design
- Laser Engraving



# Digital Design & Fabrication

- Graphic Design
- Laser Engraving / Cutting
- Animation & Video Production





# Film IB



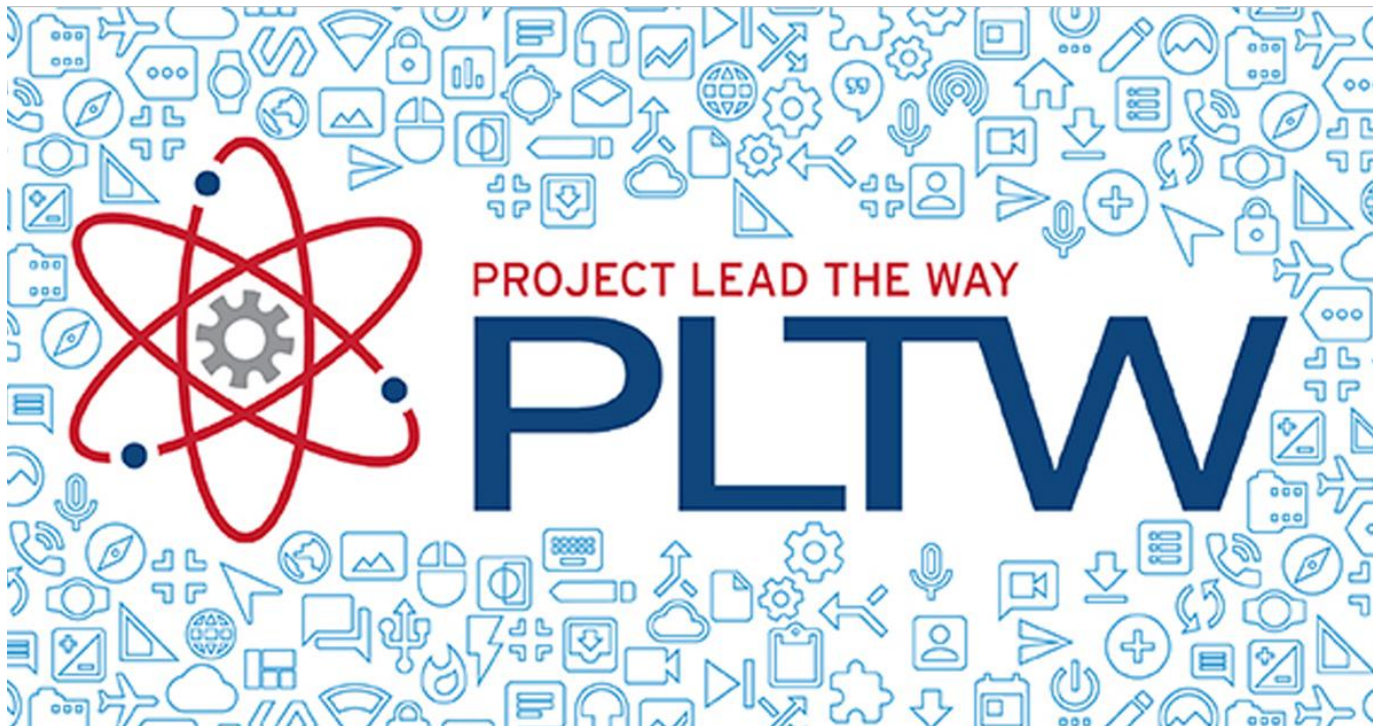
- Film Production
- Film Analysis
- Comparative Study

# Possible Progressions

- Project Lead the Way: five different college credit engineering courses
- Computer Science IB – Standard Level and Higher Level courses
- AgriScience Pathway
  - Intro to Ag >
    - Natural Resources > Plant Science
    - Food Justice and Sustainability > Food Science
    - Floral Design
- Woodworking
  - Beginning Woodworking > Intermediate/Advanced
- Film IB - Standard Level and Higher Level

# Engineering-Highlights

- 90% of PLTW students eligible for college credit
- Autodesk Inventor and Revit, Robotics, 3D Printing
- Programming Variety: Python, Java, PHP, SQL.....
- High marks in IB Computer Science exams.



# Agriculture-Highlights

Future For Agriculture (FFA)-leadership development organization focused on agricultural advocacy opportunities-contests, volunteering, events, field trips



Questions?