

# Inside Industrial Maintenance



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(Class with Jason Stepp)




## What is Industrial Maintenance?

It is not just maintaining technology; although, maintenance is a reasonable part of the class.


- Students taking the class learn how to properly problem solve in the up-rising technology world.
- Students enhance their natural inventing skills.
- Students are constantly working on bringing their own ideas and thoughts into the real, or digital, world for others to observe or interact with.





Industrial Maintenance includes what activities?

- Simulation Lab work
  - AC/DC Wiring
  - Residential Wiring
  - Hydraulics
  - Air/Pump Systems
  - PLC's (Programmable Logistics Controller)
- Inventor (Computer Aided Design)
- 3D Printing
- Welding/Machine Tool
- Yearly Project (Could be anything from making strobe lights with the beat of music to a giant robotic cheetah)



What is the advantage of taking Industrial Maintenance and what does it offer in the long run?

- Insight to the technical world around us
- Basic knowledge on how things are made for our daily lives and how to fix thus things
- A great introduction to ready students for either the work force or for a continuation in learning more about the engineering field(s) in college



What jobs does this class prepare students for?

- Aerospace industry
- Automotive industry
- Chemical industry
- Construction industry
- Defense industry
- Electronics industry
- Fast moving consumer goods industry
- Marine industry
- Materials and metals industry
- Oil and gas industry
- Pharmaceuticals industry
- Power generation industry
- Rail industry
- Telecoms
- Utilities industry



What secondary educations does this class prepare students for?

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Industrial Engineering
- Systems Engineering
- Robotical Engineering



Other classes in the engineering field that Jeffersontown High School offers to students includes...

- Project Lead the Way (Mechanical Engineering)
- CAD (Computer Aided Design)
- Welding
- Machine Tool
- Robotics

