

Our Industrial Arts program provides creative alternatives for elective classes. They focus on Hands-On activities and practical experiences to teach the core concepts to students.



Emphasis is focused on the Engineering Design Process and Problem Solving.



Technology and Engineering are two of the components of S.T.E.A.M.

Innovation Series

0.5 Credit

Innovative Technology (iTech) is a semester elective that teaches students the 21st Century Skills they need to become successful in both college and work environments.

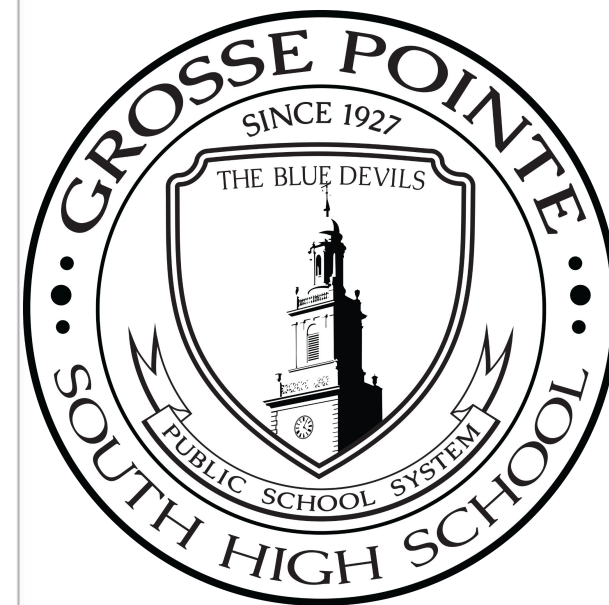
Students in iTech will study the impact of technology on the world they live in and use cutting-edge technologies (such as 3D printing and coding) to create prototypes that improve the daily lives of others.

iTech is the first class of 4 in the Innovation series. iTech is followed by iDesign, iCreate, and iCapstone.

Mr. Brent Revello

Revellb@gpschools.org

INDUSTRIAL ARTS



The Industrial Arts elective classes are perfect choices for incoming students that want to gain experience in the fields of:

- Engineering
- Architecture
- Construction
- Industrial Design
- Drafting
- Computer Aided Design
- Research and Development
- Engineering Technology
- Many Others!

Small Engines

0.5 Credit

This class provides a semester of experiences in theory, application, maintenance and safe operation of a four cycle engine. As students disassemble and reassemble a lawnmower engine, they learn about small engine construction and theory.



Survey of CAD

0.5 Credit

Survey of CAD is a semester course which offers a brief introduction to the world of design. Students will learn to express design ideas using the universal language of lines, symbols, and numbers. The class will cover the basics of mechanical and architectural drafting using AutoCAD.

This class is not offered every semester.

Architecture I-III

1.0 Credit

(Applied Art and/or Computer Credit)



Student work from Fall 2021

This class will teach you the fundamentals of residential design and construction using drawing techniques, Computer Aided Drafting, model building, research, and presenting your projects.



Engineering Graphics

I-IV

1.0 Credit

(Applied Art and/or Computer Credit)



Engineering Graphics is the course where students learn to use Computer Aided Drafting software to create drawings used in engineering or manufacturing.

Advanced students may get the opportunity to use technology like 3-D Printers, CNC Milling machines, and other drafting programs or modeling software.