



DRAFTING & DESIGN TECHNOLOGY

This course prepares students to generally apply technical skills to create working drawings and computer simulations for a variety of applications. Students will gain knowledge of mechanical, structural, and architectural design using computer software and hardware for the creation of graphic representation and simulations.

SPECIAL CLASS FEATURES

- > Use of CNC Equipment
- > Design and build projects
- > Participate in MITES competitions
- > Collaborate with students in other classes with projects
- > Obtain college credit
- > Earn Senior Math credit and VPAA credit in Architectural Engineering and Industrial Design

SOFTWARE - AUTODESK

- > Auto Desk Inventor
- > Auto Desk Revit
- > Architectural AutoCAD
- > AutoCAD

COURSE CONTENT

Product Design

3D Animation

Principles of Technical Drawing

Dimensioning and Tolerance

3D Solid Modeling

Engineering Tools and Standards

Blueprint Reading

EMPLOYMENT SKILLS FOR THE FUTURE

- Visual Problem Solving
- Communication Skills
- Creativity
- Time Management
- Use of Technology
- Teamwork
- Math Skills

