Technology Education

Courses Offered:

COMPUTER-AIDED DRAFTING & TECHNICAL DRAWING 8435
Dual enrollment W 8435D
Credit(s): 1 Grade level(s): 9-12
Prerequisite(s): None
This laboratory-oriented course provides a basic background of skills and an understanding of the broad scope of technical drawing (drafting). Students will use both traditional and computerized equipment. The latest CAD software will be used. This course is recommended for students planning careers in engineering, architecture, drafting, or technology.
Students will participate in TSA activities.'

ARCHITECTURAL DRAWING 8437
Dual enrollment W 8437D
Credit(s): 1 Grade level(s): 10-12
Prerequisite(s): Computer-Aided Drafting & Technical Drawing
Architectural Drawing is offered as a personal use class to students who wish to further their knowledge in the field of architecture. This laboratory-oriented course provides students with the opportunity to learn more about financing, designing, drawing plans, dimensioning, and making prints for a home of the student's choice. It provides information helpful for the homeowner and is especially beneficial to the future architect, interior designer, or home builder. Students will participate in TSA activities. This class may be offered only in alternating years.

ENGINEERING DRAWING 8436
Dual enrollment W 8436D
Credit(s): 1 Grade level(s): 10-12
Prerequisite(s): Computer-Aided Drafting & Technical Drawing
Engineering Drawing provides students with the opportunity to experience the graphic language of industry for engineers, manufacturers, and technicians. It provides experiences with greater depth in drawing problems, skills, and techniques. Emphasis is placed on interpretation of industrial prints, ability to use handbooks and other resource materials, and adherence to established standards for drafting. An important aspect of this course is the application of drafting principles to typical engineering drawing and design problems. Students will participate in TSA activities.

WOODS TECHNOLOGY I 8431
Credit(s): 1 Grade level(s): 9-12
Prerequisite(s): None
Woods Technology I is the study of the technologies in the construction of industrial wood products. Students design, plan, and construct projects as they study the woodworking industry. Emphasis is placed on the development of skills in the safe use of both hand and

machine woodworking tools. Activities may include laboratory involvement in personnel organizations, mass production, research in areas of career opportunities, and individual projects.

WOODS TECHNOLOGY II 8433.2
Credit(s): 1 Grade level(s): 10-12
Prerequisite(s): Woods Technology I
Woods Technology II is an advanced study of the technologies in the construction of industrial wood products. Students design, plan, and construct furniture or recreational products, safely using machine tools, processes, and wood technology. Creativity is emphasized as students further develop their interests, talents, and abilities in woodworking.

MATERIALS AND PROCESSES TECHNOLOGY 8433.1
Credit(s): 1 Grade level(s): 9-12
Prerequisite(s): None
Students focus on industrial/technical materials and processes as they fabricate usable products and conduct experiments. Learning experiences include career analysis, as well as the use of tools and equipment related to analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials. The course is recommended for students interested in technical careers and others wishing to improve their consumer knowledge and technological literacy.