Technology Education Curriculum

Edgar School District

7th Grade

COURSE SUMMARY

EDGAR HIGH SCHOOL TECHNOLOGY EDUCATION

Course Description:

In this introductory level middle school course students will cover the units of Woods, Graphics, Mechanical Design and Research and Design. The goal of this course is to introduce students to a wide variety of areas within technology education. This course will have all 7th graders for approximately 22-23 days.

Units:

- Safety
- Woods
- Measurement
- Research and Design
- Graphics

8th Grade

COURSE SUMMARY

EDGAR HIGH SCHOOL TECHNOLOGY EDUCATION

Course Description:

In this introductory level middle school course students will cover the units of Woods, Graphics, Mechanical Design and Research and Design. This course is meant to build on skills which were taught in the 7th grade technology education class. All 8th grade students will have this course for approximately 22-23 days.

Units:

- Safety
- Woods
- Measurement
- Research and Design
- Graphics

Woods 1

COURSE SUMMARY

EDGAR HIGH SCHOOL TECHNOLOGY EDUCATION

Course Description:

This is an intro level course in the area of woodworking. Students enrolling in woodworking will cover safety and informational units on all machines they will be working with. Students will then use this knowledge to create projects including, but not limited to: mirrored coat rack, cabinet, coffee table and an end table. There will be additional course costs which students will incur during the process of this course. Safety glasses and a tape measure are required for this course. Portfolio items for this class include all projects the student creates during the course.

Units:

- Safety
- Measurement
- Tool Identification and usage
- Mirrored Coat Rack
- Night Stand
- Coffee Table
- Capstone Project

Woods 2

COURSE SUMMARY

EDGAR HIGH SCHOOL TECHNOLOGY EDUCATION

Course Description:

This is the second level course in construction and woodworking. Woodworking will include the design, layout and construction of an individual project. Students will also be running production jobs for the sale and service of products. Students may be required to purchase materials for the final project. Portfolio items for this class include Manufacturing Assembly Project, Personal Capstone Project.

Units:

- Safety
- Measurement
- Tool Identification and usage
- Team Building Project
- Capstone Project

Graphics 1

COURSE SUMMARY

EDGAR HIGH SCHOOL TECHNOLOGY EDUCATION

Course Description:

In this intro course students will be introduced to the graphics world. Students will work with Adobe Photoshop and Adobe Illustrator. Students will be screenprinting, learning the ins and outs of video editing, working with lasers, and creating projects using a vinyl cutter. Students will create individual and group assignments within each of these units. Portfolio items for this class include the 1 and 2 color screen printing, Milk Moustache, slideshow video, pop art, mouse pads.

Units:

- Adobe Photoshop Classroom in a Book
  - Lessons
  - Rubric Activities
- Adobe Illustrator Classroom in a Book
  - Lessons
  - Rubric Activities
- Vinyl Cutting
  - One Color
  - Two Color
- Lasering
  - Design and Laser
- Screenprinting
  - One Color
  - Two Color

Introduction To Technology

COURSE SUMMARY

EDGAR HIGH SCHOOL TECHNOLOGY EDUCATION

Course Description:

This is the introduction course in the technology and engineering department at Edgar High School. Students interested in engineering, woods manufacturing and graphics careers and courses should take this introduction level course. This course will develop basic problem solving skills using a design, development and production process. Students will create projects within the engineering field which will be used in the fields of woods manufacturing and graphics communications. If you are interested in a career as an engineer, a trade's worker (plumber/electrician/construction, etc), a graphic designer or any other hands on career, this is the course for YOU!!! Portfolio items for this class include the Engineering Exploration Paper, Mouse Trap Car, Design Process Project, Screen Printing Project, Woods project and AutoDesk Inventor Drawings.

Units:

- Graphics - Photoshop and screenprinting
- Safety
- Measurement
- Woods Introduction
- Engineering