



Course Syllabus

2012-2013

COURSE TITLE: Technology Education II

PREREQUISITE: Technology Education I

DESCRIPTION: Students focus on industrial/technical materials and processes as they fabricate usable products and conduct experiments. Learning experiences include careers, as well as the use of tools/equipment related to analysis, testing, and processing of metals, woods, plastics, and other materials.

MAIN TOPICS:

- List technological developments related to materials and processes technology.
- Evaluate careers related to industrial materials and processes.
- Describe and utilize the skills of an engineering team.
- Investigate community industrial and technical resources related to materials and processes technology.
- Explain the basic structure of atoms and ions.
- Describe the structure of amorphous and crystalline materials.
- Explain how materials are classified.
- Compare chemical properties of selected materials.
- Use measuring, layout, and drafting tools.
- Compare the design processes for custom and mass production.
- Plan a group marketing enterprise.
- Examine all aspects of industry.

CREDIT INFO: This course provides one elective credit required for the Standard or Advanced Studies Diploma.

Technology Education I & II

Mr. Mitchell

Introduction

The Technology Education I program at Park View School is designed to provide active learning situations and higher-order thinking skill development involving the systematic study of the application of knowledge, creativity, and resources to solve problems. Students will be provided with a general introduction to woodworking and metalworking materials and processes.

The Production Technology Education Lab features a hands-on approach where learning materials are presented in a variety of forms, such as video, text books, computer aided instruction, projects, and experimental hardware. Each activity has different times for completion.

Students in Technology Education I will complete some of the following projects and activities below:

Game Board	Mini Lathe Project
Jewelry Box	Whirligigs
Metal Fabrication Project	Production Line Activity
Clock Project	Design Project/ Prototype

Students in Technology Education II will complete some of the following projects and activities listed below

Power Point Safety Production	Design Project/ Prototype
Chippendale Mirror	Production Line Activity
Wood Lathe turning Project	

*You are expected to complete each project assigned,
You will not fail this class!!!!*