

Technology Education

At the forefront of technology...preparing students for the future.

AUTOMOTIVE TECHNOLOGY

06051/06052 PERSONAL AUTO

1 Year

1 Credit

Prerequisite: None

This course provides a blend of hands-on skills and theoretical knowledge of the automobile. Lab exercises will emphasize preventive maintenance and entry-level job requirements. Students will explore each automotive system from both scientific and practical points of view and have ample opportunity to work on his/her own vehicle for lab experience. However, having a car or driver's license is not required.

GRAPHIC ARTS

06250 GRAPHIC ARTS TECHNOLOGY 1

1 Sem

1/2 Credit

Prerequisite: None

This is a course designed to provide students with an overview of the graphic arts industry and will give them an opportunity to become involved with hands on experiences in the areas of lithography and screen printing. Each student will have opportunities to gain an insight into the graphic arts industry in order to investigate a possible career.

06260 GRAPHIC ARTS TECHNOLOGY 2

1 Sem

1/2 Credit

Prerequisite: 625

This is a course designed for those students who would like to further their investigation into a career in Graphic Arts. The students will concentrate in the areas of lithography and screen-printing. Areas that will be covered are desktop publishing, layout and design, camera work, stripping and platemaking, safety, press work, bindery and screen-printing. Students will be given ample time to develop and explore job skills.

06440 GRAPHIC ARTS DESIGN

1 Year

1 Credit

Prerequisite: None

This course is designed to combine the artistic design and graphic production needed to produce a graphic arts project. Each student will have the opportunity to learn the latest computer graphic programs (InDesign, Adobe Illustrator, and Adobe Photoshop) and then experience the hands-on methods of producing the project. This unique combination of both programs gives the student an excellent working knowledge of design techniques in the graphic arts industry. **This course satisfies the fine arts requirement for graduation and is a prerequisite for other courses in the graphic arts sequencing.**

PROJECT LEAD THE WAY

01688 INTRODUCTION TO ENGINEERING DESIGN

1 YEAR

1 Credit

Prerequisite: Complete Algebra

Introduction to Engineering Design encourages students to be creative and apply decision-making and problem solving skills to specific design problems, using powerful computer hardware and software to develop 3-D models or solid renderings. Using a CAD system, students explore the design process through creating, analyzing, rendering, and producing models. The course can be applied for college credit.

Fabrication

02850 FABRICATION 1

1 Sem

1/2 Credit

Prerequisite: None

This is a course intended for students who enjoy designing and constructing projects. Instruction stresses the development of knowledge and skills needed for product designs in CAD software. Students will recognize appropriate safety and workmanship standards, and the application of knowledge regarding tools, materials, and processes.

02860 FABRICATION 2

1 Sem

1/2 Credit

Prerequisite:

This hands-on course continues to cover the concepts of fabrication. Techniques learned in the previous class are put to extensive use as more advanced techniques and skills are introduced. Instruction introduces a number of tools and safe operating procedures. Students will utilize the skills, techniques and tools taught in the class in the making of several projects.

MEDIA TECHNOLOGY & JOURNALISM

06950 Media Technology 1

1 Sem

1/2 Credit

Prerequisite: None

In this course students are introduced to the methods, software, and equipment used in television broadcasting. Students will learn the basics of camera operation, lighting and audio techniques, and editing methods used in the production of video.

06960 Media Technology 2

1 Sem

1/2 Credit

Prerequisite: None

This course will enable students to demonstrate the fundamental principles of video production applying the concepts and skills learned in the introductory course. Students will have the opportunity to use equipment and software independently to create video productions.

03110 JOURNALISTIC WRITING

1 Sem

1/2 Credit

Prerequisite: None

Students will learn to interview people in order to gather and evaluate information. They will use this information to write news, sports, editorial, in-depth, and feature stories. They will also learn to write headlines and captions. Part of the course will focus on editing and proofreading stories for publication.

03120 JOURNALISTIC WRITING

1 Sem

1/2 Credit

Prerequisite: 03110

Students will focus on writing advanced journalistic stories. They will design pages on desktop publishing software. In addition, course work will cover headline writing and photography skills.