

COURSE TITLE: Woods 1
COURSE LENGTH: Full year
PREREQUISITE: None
GRADE LEVEL: 9 - 12

GENERAL DESCRIPTION: Students will learn the proper use of power tools and the safety rules necessary to run a safe shop environment. These skills can lead to either a vocational or hobby interest in woodworking or construction. Each student will complete small wood projects as they're assigned. The student will be responsible for the cost of the materials used in the production of their individual projects. Each student will work on an individual pace to complete quality projects. Emphasis will be on quality not quantity.

GRADING PROCEDURE: Grades will be based on a combination of tests, quizzes, daily work, and a completed project. Daily points will be earned based on attitude, cooperation, and usage of class time until the completion the project. Successful completion of the project is a very important grade factor.

COURSE TITLE: Woods 2
COURSE LENGTH: Full year
PREREQUISITE: Woods I
GRADE LEVEL: 9 - 12

GENERAL DESCRIPTION: Students will learn more detailed methods of wood construction. Projects of greater difficulty and quality will be required and completed during the year. The student will be responsible for the cost of the materials used in the production of their individual projects. Each student will work at an individual pace to complete quality projects. Skills learned can lead to either a vocational or hobby interest in woodworking or construction. Completion of this course will help prepare students for the DMACC Career Academy – Building Trades.

GRADING PROCEDURE: Grades will be based on a combination of tests, quizzes, daily work and a completed project. Daily points will be earned based on attitude, cooperation, and usage of class time until the completion the project. Successful completion of the project is a very important grade factor.

COURSE TITLE: Woods 3
COURSE LENGTH: Semester or Full year
PREREQUISITE: Woods 2
GRADE LEVEL: 11 – 12

GENERAL DESCRIPTION: Students will learn more detailed methods of wood construction. Projects of greater difficulty and quality will be required and completed during the semester. The student will be responsible for the cost of the materials used in the production of their individual projects. Each student will work at an individual pace to

complete quality projects. Skills learned can lead to either a vocational or hobby interest in woodworking or construction. Completion of this course will help prepare students for the DMACC Career Academy – Building Trades.

GRADING PROCEDURE: Grades will be based on a combination of tests, quizzes, daily work and a completed project. Daily points will be earned based on attitude, cooperation, and usage of class time until the completion the project. Successful completion of the project is a very important grade factor.

COURSE TITLE: Woods 4
COURSE LENGTH: Semester or Full year
PREREQUISITE: Woods 3
GRADE LEVEL: 12

GENERAL DESCRIPTION: Students will learn more detailed methods of wood construction. Projects of greater difficulty and quality will be required and completed during the semester. The student will be responsible for the cost of the materials used in the production of their individual projects. Each student will work at an individual pace to complete quality projects. Skills learned can lead to either a vocational or hobby interest in woodworking or construction. Completion of this course will help prepare students for the DMACC Career Academy – Building Trades.

GRADING PROCEDURE: Grades will be based on a combination of tests, quizzes, daily work and a completed project. Daily points will be earned based on attitude, cooperation, and usage of class time until the completion the project. Successful completion of the project is a very important grade factor.

COURSE TITLE: CAD Design
COURSE LENGTH: Semester
PREREQUISITE: None
GRADE LEVEL: 9-12

GENERAL DESCRIPTION: This course introduces students to the computer technology used in designing and creating machine parts. Students will use AutoCad software to complete daily assignments of recreating 3D drawings of various machine components. Students will be given the opportunity to further develop the skills of problem solving and visualization. Completion of this course will help prepare students for the DMACC Career Academy – Applied Engineering Technology.

GRADING PROCEDURE: Grades will be based on daily points earned. The points will be earned based on attitude, cooperation, and usage of class time for completion of projects. Project points will be based on quality and accuracy of drawings.

COURSE TITLE: CAD Architectural
COURSE LENGTH: Semester
PREREQUISITE: None
GRADE LEVEL: 9-12

GENERAL DESCRIPTION: In this class, students will be given the opportunity to further develop the skills of visualization and implementation learned in CAD Design. Students will be responsible for the complete designing of a single-family residence. They will be expected to stay within predetermined parameters for home construction. Included in the instruction will be an understanding of terms and processes involved in residential construction. The skills and knowledge learned from this class can be beneficial for the future potential homebuyer or homeowner.

GRADING PROCEDURE: Grades will be earned based on attitude, cooperation, and usage of class time as well as the completed project. Project points will be based on quality and accuracy of drawings.

COURSE TITLE: Metals and Welding
COURSE LENGTH: One Semester
PREREQUISITE: None
GRADE LEVEL: 9 - 12

GENERAL DESCRIPTION:

Students will learn welding safety and instruction on several transfer modes. Training of the students will show them how to perform quality fillet and groove welds as well as others. The welding discipline covered in this program is Gas Metal Arc Welding (GMAW) and Stick Welding (SMAW). Students are expected to plan, supervise and perform tasks necessary for project completion individually or as a class. Students will receive hands-on training in welding techniques, skills and use of equipment in our Shop.

GRADING PROCEDURE: Grades will be based on a combination of tests, quizzes, daily work, and a completed project. Daily points may be earned based on attitude, cooperation, and usage of class time until the completion of the project. Successful completion of the project is a very important grade factor.