**Eddyville Charter School CAREER AND TECHNICAL EDUCATION**

 **Fall and Spring Semester**

**SYLLABUS**

**COURSE TITLE: Middle School Woodworking**

**Instructor Phone # Email**

Greg Wood 541-875-2942 greg.wood@lincoln.k12.or.us

**Course Description**

This course provides and introduction to basic woodworking principles. Students work individually and in groups to design and construct projects from a common idea. Concepts in safety, machine set up, machine care, basic math, trade vocabulary, hand and power tools, interpreting shop drawings, manufacturing practices, communication skills, planning, and design techniques are examined.

**Prerequisites:** None

**Recommended Tools, Equipment and Supplies:**

Calculator, pencils, paper & shop binder

**General Course Objectives**

Upon completing this course you will be able to:

* Demonstrate and apply appropriate safety practices
* Demonstrate competency in basic math procedures.
* Demonstrate ability to interpret verbal and written information.
* Communicate effectively in different on the job situations.
* Demonstrate critical thinking and problem solving skills.
* Demonstrate effective relationship skills with peers and teachers.
* Demonstrate appropriate teamwork and leadership skills.

**Methods of Instruction**

Lecture, Discussion, Lab, Peer Coaching, Demonstrations and various innovative in-class activities

**Grading**

Your grade is based on timely and accurate completion of class assignments, performance on verbal and written evaluations, and the final exam.

Notebook 20%

Safety Tests 10%

Class Projects 60%

Final Exam 10%

**Outline by Major Topics**

**Safety**

* General Safety
* Personal Safety
* Machine Safety

**Hand Tools**

* Categories
* Identification
* Safe operation

**Machines**

* Identification
* Set up and Safe Operation

**Interpreting Drawings**

* Sketching
* Working Drawings

**Basic Math**

* Fractions
* Converting Fractions to Decimal
* Converting Decimals to Fractions
* Measurement

**Specific Secondary Wood Topics**

* Planning & Design
* Sanding Techniques
* Finishes and Finishing Techniques
* Gluing & Clamping
* Man Made Materials
* Tool/Machine Selection & Care
* Trade Vocabulary
* Trade Occuaptions