WOODWORKING TECHNOLOGY

Course Syllabus

LEXINGTON HIGH SCHOOL
Instructor: Mr. Hoyt
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Course Description

Students will gain knowledge and skills in working safely and efficiently with hand tools and power tools. In addition, they will be introduced to different types of woods and their uses, the industrial woodworking environment and technology in use today.

Course Objectives / Units of Study

• Overview of Career Opportunities – Students will explore job opportunities in the woodworking industry
• Types of woods: wood categories and building materials will be discussed
• Planning – Basic planning techniques and materials selection will be discussed.
• Safety – Safety rules for hand and power tools will be demonstrated and tested on.
• Sanding and Finishing – The students projects will be evaluated for quality.
• Joint Construction – The students projects will be evaluated for quality.
• Construction Industry – Industry development, trends and job opportunities will be studied.

Attendance Expectations

Consistent attendance is important for student success. If students are sick or absent, THE STUDENT is responsible for completing any missed work. Powerschool online grading is used—the student is expected to visit the course page daily and make sure all work has been submitted and entered correctly into the gradebook. Students are responsible for coming in before and/or after school or by emailing Mr. Hoyt to catch up with assignments that may have been missed.
It is expected that homework assignments be completed on time. Any work submitted after the deadline will be considered late and will receive only partial credit. Should you have an excused (verified) absence, you will have two days from the day you return to complete and hand in work that was missed due to the absence.

Points Distribution

Each quarter grade will be worth 45% of the total semester grade.
Semester tests will be 10% of total semester grade
GRADING AREA DESCRIPTION % OF GRADE GRADING SCALE
Projects 50%
Daily Work Assignments 30%
Participation Professionalism Points 20%
Semester test will be 10% of total semester grade
NOTE: SYLLABUS &SCHEDULE SUBJECT TO CHANGE.

Classroom Expectations

Students should be familiar with the behavior guidelines listed in the Lexington High School student handbook. Students are expected to:

- **Put forth their best effort each and every class period**
- **Come to class prepared to learn**
- **Be cooperative with their peers & treat others with respect**
- **Participate in class discussions**
- **Turn in work on time**
- **Sign and abide by the LHS technology contract**
- **Refrain from having food, beverage, and cell phones in the classroom**

Students are responsible for maintaining their assigned workstation and are to report any problems or if any damage is noticed, immediately.

Units Covered

Unit: Types of Wood

Demonstrate the core competencies in safety and the efficient use of tools, machines, materials, processes and applications.
Demonstrate knowledge to the careers in the woodworking industries and the products that they produce.

Unit: Planning

Apply concepts from mathematics, science and communications in the context of project design.
Demonstrate knowledge and understanding of project planning and layout.

Unit: General Safety

Demonstrate the core competencies in safety and the efficient use of tools, machines, materials, processes and applications.

Unit: Lay Out

Apply concepts from mathematics, science and communications in the context of project design.
Demonstrate knowledge and understanding of project planning and layout

Unit: Hand and Power Tools

Demonstrate the core competencies in safety and the efficient use of tools, machines, materials, processes and applications.

Unit: Fasteners, Adhesives and Clamping

Apply the skills and competencies in determining proper wood joints, fasteners and adhesives used in construction of projects

Unit: Sanding and Finishing

Demonstrate the core competencies in safety and the efficient use of tools, machines, materials, processes and applications.
Demonstrate competency in the areas of preparing projects for finishing and then applying stains and varnish to complete the project.

Unit: **Automated Manufacturing, Careers and Manufacturing Enterprise**

Identify opportunities in woodworking and demonstrate basic construction techniques.
Demonstrate knowledge to the careers in the woodworking industries and the products that they produce
Demonstrate knowledge to the careers in the woodworking industries and the products that they produce
Demonstrate employability and social skills relevant to careers.