

**Course: Wood 1**

**Instructor: Mr. James Henderson**

**Room: 600**

# Wood 1 Syllabus

Students welcome to Kennedy High School's course Wood 1. The course Wood 1 is for 10<sup>th</sup> grade students who are interested in a career in Cabinet Construction, and Residential Commercial Construction. The course combines text book knowledge with hands-on application through project-base-learning.

There will be several weeks of arithmetic math operations such as; Addition, Subtraction, Multiplication, and Division of Whole Number, Fractions, Decimals, Percentage, and Word problems. Math is a must in this course, and you the student will be constantly tested on your math skills. The understanding of the United States system of measurements, which is the Customary system (inches, feet, yards, etc...) of measurement, is a must in the Wood 1 course. Not knowing how to measure an object, or not knowing units of measurement in the United States; will cause you problems throughout your life. Therefore, much time in class will be spent on the subject of measuring and units of measurement.

Shop safety and tools safety will be discussed and constantly review in book work, and shop work. Each machine that you will operate, you must take a written and performance safety test and score a 70% on both. Failure to score a 70% on safety tests; you will be allowed to take the test as many times as need to pass with a score of 70%. Remember, safety is the main concern of the Wood 1 course.

## **Class Norms:**

- Treat everyone with the respect you want for yourself.
- Turn off all electronics and keep them out of sight.
- Remove hats and other headgear before entering the room.
- Follow teacher directions.
- Raise your hand to speak.
- **Students are to raise hands to ask question about the instructions the teacher gives.**

## **Student Responsibilities:**

- Be present, prepared and on time every day.
- Take notes when directed.
- Maintain an organized folder
- Turn in work on time.
- Make up missing work when you have an excused absence.
- Always try to do your best. Never give up!

## **Daily Procedures:**

### **Beginning of Class:**

- Enter the class quietly and take your seat; take out homework, teacher will collect later.
- Start working on the Do Now on the whiteboard; you have 5 minutes to complete.
- When finish with the Do Now. Get text book and began work on your packet given you by teacher.
- Do the packet work while waiting for teacher's instructions or directions.

### **End of Class:**

- Five minutes before end of class put text book back and place folders on table.
- Return to seat and clean up your area around your seated area, put trash in wastepaper basket.
- Return to seat and wait to be dismissed by teacher.

### **Attendance:**

If you have an excused absence, you have the same number of days as you were absent to get in your missing work. For example, if you are absent for three days, your missing work will be due three days after you return to class. Extra worksheets will be on the table next to the teacher desk. Ask for the Do Now(s) that you missed when you were absent.

### **Tardies:**

Tardies can affect your grade, so try to avoid them. If you come into class after the bell, your participation grade for that day will automatically drop from an A grade to a C grade.

3-tardies = a call home.

4-tardies = a 20 minute detention after school.

5-tardies = a final call home or a home visit by me (Mr. Henderson).

6+ tardies = referral to the Vice Principal or Academy lead each time the student is tardy.

### **Behavior:**

**Important:** If a student commits a serious behavior that is violation of school, contract, and class norms rules; I will go directly to the principal and let her know I am visiting that student's parents after school to tell the parent they are to attend a teacher, principal, and parent conference. Also, the student will not be let back into my classroom until the parent-teacher conference is completed.

The wood shop environment is dangerous, and students who do not obey the class norms, safety contract rules, and general shop and machine safety rules, may increase the probability of a serious accident happening to themselves or their fellow classmates.

**Safety is the major concern in the shop classroom for everyone.**

### **General Safety Guidelines:**

- Develop a safe attitude.
- Stay alert; be aware of your surroundings.
- Take the time to do the job, right.
- Follow the manufacturer's instructions for proper use and care of woodworking tools and machines.
- Keep woodworking tools and machines in good working order.
- Keep your work area clean and neat.
- Anticipate problems before they occur and do something to prevent them.
- Dress for the job.
- Follow the rules of the shop, and the hand and power tool's safety rules .

### ***Course Instruction divided into four parts.***

#### **Attention Students:      Part One**

The first four chapters of the text book are to be read; and the four chapter of student work book are mandatory work to be handed into teacher.

Chapter 1    The Woodworking Industry

Chapter 2    Safety Practices in Woodworking Industry

Chapter 3    Designing and Planning Woodworking Projects

Chapter 4    Measuring and Cutting Wood for Projects

#### **Attention Students:      Part Two**

The following Chapters include Safety Rules for Operation of Power Tools. Students **must** hand in the work sheets for the following chapters in text book.

**\*\*\*No student will be allowed to operate power tools without passing the safety test for that tool by a 70% score.**

Chapter 5    Nailing (Types' of nails, and techniques for hammering nails)

Chapter 22   Table Saw (Techniques of cutting wood, and Types of Wood cuts)

Chapter 25   Sliding Compound Miter Saw (Techniques in cutting wood, and Types of Wood cuts)

Chapter 27 Drill Press (Techniques for drilling, and types of drill bits)

Chapter 28 Router (Installation of bits, operation, and Types of router bits)

Chapter 29 Sanders (Installation of sandpaper, operation, and Types of sandpaper)

### **Attention Students:      Part Three**

The following Chapters explain the safe usage of finishes, and how to prepare Projects, for finishing (applying stains, clear finishes; and applying paints, and Enamel paints to projects).

\*\*\*Proper clean-up of brushes **is a must do** or no student will be allowed to work.

Chapter 31 Preparing for Finishing (Your Projects)

Chapter 32 Applying Stains and Clear Finishes

Chapter 33 Applying Paints and Enamels

### **Attention Students:      Part Four Mandatory Projects**

Students now that you have finished the text book and student work book assignments you have to make three mandatory projects. The plan for the projects will be provided to by the teacher.

Upon, finishing your must do projects, you can build any personal projects that the wood-shop has material for. You must ask the teacher if you can build the project. The teacher will check if there are enough materials for the project you want to build.

### **Mandatory Projects are:**

- 1. Tool Box** (Teacher will provide plans to copy)
- 2. Booster Bench** (Teacher will provide plans)
- 3. Shaker Bench** (Teacher will provide plans)

## Grading:

40% of student's grade is behavior.

Behavior is the following of school rules, classroom norms, contract rules, general shop rules, machine safety rules, attendance, and tardies. Any violation of the above will cause the student grade to drop; particularly, disrespecting the instructor/teacher in classroom and shop. They are there to keep you safe from injury, and the teacher/instructor is there to inform how to stay safe. So please listen to your teacher/instructor instructions and directions.

Failure to help clean shop will lead to an "F" grade or the lowering of your grade for course.

10% of student's grade is homework assignments.

50% of student's grade is text book work, and Chapter Tests if applicable to that quarter grading.

OR

60% of student's grade is finished projects if applicable to that quarter grading. Grading Rubric will be supplied before shop work begins.

## Grading Percentage

|                  |             |          |
|------------------|-------------|----------|
| <b>100%</b>      | <b>-90%</b> | <b>A</b> |
| <b>89%</b>       | <b>-80%</b> | <b>B</b> |
| <b>79%</b>       | <b>-70%</b> | <b>C</b> |
| <b>69%</b>       | <b>-60%</b> | <b>D</b> |
| <b>59%-Lower</b> |             | <b>F</b> |