

# **Furniture Design & Manufacturing 2018-2019**

Highland High School Career & Technical Education

Instructor: Mr. C. F. Johnson (Mr. J.)

## **Course Description:**

A course with a sequence of instructions that prepares individuals to apply technical knowledge and skills needed to understand the furniture making industry. This course stresses the safe use of hand tools and power equipment that is used in the production of assigned projects.

## **Course Materials:**

Glencoe, Mcgraw-Hill: WOOD Technology & Processes

## **Course objectives:**

- Learn and obey Wood shop and Construction safety.
- Pass all machinery and tool safety tests with 100% proficiency.
- Identify and properly use construction hand tools and power tools.
- Identify the major types of materials used in the construction industry.
- Know and understand construction terms vocabulary.
- Properly used and understand a tape measure.
- Learn and understand how to use an Architectural scale.
- Learn, understand, and use mathematics as it applies to construction.
- Know how to calculate board feet, square feet, lineal feet, and yardage.
- Learn to read and understand Blue Prints.

## **Grading:**

Academic grading will be as follows:

Participation (Construction, Clean-up, Rules, Preparedness 40%

Test and Quizzes 20%

Assignments and Class Construction 40%

Citizenship grading will follow Highland High policy (Refer to Student Hand Book).

## **Class Expectation and Performance:**

This is a Vocational class and is taught around dangerous materials and equipment. Maturity is expected at all times. That includes not goofing around and keeping busy (working), **AT ALL TIMES** on assignments and projects. The student is also expected to be in class each assigned period and on time. Other expectations include:

- Pass all safety exams with 100%
- ALL STUDENTS MUST WEAR EYE PROTECTION AT ALL TIMES!**
- Safety will be taken seriously. Unsafe conduct will NOT be tolerated. Not even once!
- Students follow ALL of Highland High School's Rules and Policies.
- Cleaning up is a part of the participation grade.
- Food, gum, and drinks are allowed in the shop or classroom by permission only.
- ALL students will be treated respectfully at ALL times by EVERYONE.
- Quality, Neatness, Professionalism, and Craftsmanship ARE ALL VERY IMPORTANT.

**The student will be provided a pair of safety glasses @the beginning of the year. Feel free to use your own from home if you'd like as well. Any replacement glasses will be purchased through the treasurer for \$5.00 dollars.**

# Furniture Design & Manufacturing

## Highland High School Career & Technical Education

Mr. Johnson-Instructor

### Student Safety Pledge:

I \_\_\_\_\_ am enrolled in the Furniture Design & Manufacturing course at Highland High. Part of my shop experience will be working with power tools and construction machinery. It is understood that I will receive adequate instruction on each of those tools and must pass the safety portion of the course with 100% proficiency. I also assume responsibility for following ALL safety practices and rules and agree to abide by the class expectations and performance standards.

### Basic Woodworking Safety Rules:

- Properly use all construction tools, power hand tools, and machinery.
- Avoid “horseplay” or goofing around, which includes throwing objects.
- Do not use tools or machinery that you have not been instructed on.
- Report any and ALL accident immediately.
- Report and defective equipment immediately.
- WEAR SAFETY GLASSES AT ALL TIMES WHEN IN SHOP!**

\_\_\_\_\_  
(Student Signature) (Date)

### Parental Consent:

I have read the Disclosure statement and the safety pledge. I understand that there are inherent risks involved in a shop situation and that every precaution will be taken to provide safety for the student. I hereby give consent for my son/daughter to operate all tools and machinery necessary for the Cabinetmaking and Millwork course in which he/she is enrolled.

\_\_\_\_\_  
(Parent/Guardian Signature) (Date)

Please check a box



I DO NOT want my students work shared through social media.



I give you permission to display my students work on multiple social media platforms.