

**Dallas High School**  
**Home of the Dragons**  
**Agricultural Woods & Construction II**  
**2021-2022**

**Instructor:** Ryan Rowley

**Telephone:** (503) 623-8336

**Email:**ryan.rowley@dsd2.org

**Prerequisite:** Ag Woods & Construction II

**Course Description:**

This is a mid-level course that may be challenging to students without prior wood working experience. Students will continue to develop the basic skills of wood working while continuing to grow in areas such as lathe work, cabinetry, construction framing and more. The students will be challenged to build larger and more complicated projects than Carpentry I students. Sample projects include but are not limited to: tables, cabinets, wood framed buildings, etc. This is a hands on course that will involve the training and use of a variety of commonly used hand and power tools.

**Texts and Lab Manuals:**

None Assigned

**Course Outline: First Semester**

|        | Unit Topic                     | Summative Assessment   | Standards   |
|--------|--------------------------------|--|---|
| Unit 1 | Safety – Shop, tool, equipment | A safety portfolio to include safety exams for each piece of equipment and written proof of safe operational demonstration.<br>Clip board project (rubric) | AG 02.01 Use oral and written communication skills<br>AG 06.03 - Understand appropriate health and safety emergency procedures<br>AG 06.02 - Identify health goals, emergency |

|        |   |   |  |
|--------|---|---|--|
|        |   |   | procedures for safety and first-aid  |
| Unit 2 | Material Selection  | Exam – given a variety of construction materials appropriately select materials for specific purposes | PST 01. - Use physical science principles and engineering applications<br>PST 02. - Plan, operate, maintain and troubleshoot mechanical equipment, structures, biological systems, land treatment, power and technology. |
| Unit 3 | Project planning and measurement                                | Sample project plan (rubric)  | PST 04. - Plan, build and maintain agricultural structures   |
| Unit 4 | Joinery – mortise and tenon, tongue and groove, dove tail, etc. | Practicum   | AG 03.01 - Solve agriculture problems using critical   |

|        |  |                        |   |
|--------|--|------------------------|---|
| Unit 5 | Project construction processes – design, layout, assembly                                | Project grade (rubric) | AG 10.02 - Use tools, equipment, machinery and technology |
| Unit 6 | Project construction – finishing techniques – sanding, priming, painting, staining, etc. | Project grade (rubric) | AG 10.02 - Use tools, equipment, machinery and technology |

**Standards to Be Assessed:**

Upon successful completion of the course, students should be able to:

1. AG 02.01 - Use oral and written communication skills in creating, expressing and interpreting agricultural information and ideas including technical terminology.
2. AG 03.01 - Solve agriculture problems using critical thinking skills (e.g., analyze, synthesize and evaluate, independently and in teams).
3. AG 06.02 - Identify health goals, emergency procedures for safety and first-aid for agricultural workplaces and occupations
4. AG 06.03 - Understand appropriate health and safety emergency procedures for agricultural occupations.
5. AG 10.02 - Use tools, equipment, machinery and technology to work in areas related to agriculture.
6. PST 01. - Use physical science principles and engineering applications
7. PST 04. - Plan, build and maintain agricultural structures.

**Grading and Assessment:**

Grades for this course will be as follows:

- 90-100 % A
- 80-89 % B
- 70-79% C
- 60-69% D
- < 59% F

**The Final grade is calculated as follows:**

- Grades are based upon the accumulation of points as awarded for in-class work, tests, quizzes, and projects.
- Teachers may extend the retake time period, but as a rule all retakes need to be done within **2 weeks** of the initial assessment.

- Students will complete extra preparation before retaking an assessment. (submit completed study guide)
- Students must schedule performance retakes at their teacher's convenience. (Speech, drama, labs.)
- All projects must be completed within the Dallas High School AST program facility. You may not make up labs and or projects at home.
- You will be supplied sufficient materials for your assigned project, any project requiring additional materials beyond that which was originally supplied may result in additional fees.
- Should a student wish to design and build their a project of their choosing a set of plans complete with budget, blueprint/design schematics, cut list, tool and material list, as well as a calendar of work must first be submitted and approved by the instructor.
- If students wish to purchase their projects upon completion they may do so for the cost of the materials plus 10% to cover the cost of consumables such as glue, sand paper, etc. Student who choose to build projects of their own design must provide either the materials and or resources to purchase the materials prior to beginning construction.

**Academic Integrity:** We expect students to express academic integrity by doing their own work and properly documenting information gathered from other sources. Students who violate the principles of academic integrity will be subject to disciplinary consequences (see Insubordination section of the online student agenda).

**Extra Credit:** Extra credit is not offered, however students may be given additional opportunities to show mastery.

**Extra Help:** Students will have access to the Dallas Study Center, an area for students to retake tests, make up other work, or to complete study table hours for a coach. It will be staffed full time and available for students Monday-Friday. Students may access this during open periods and during Monday early release time, before all sports practices.

**Bathroom/Hall Pass:** No student will be allowed to leave the classroom in the first 10 minutes of class, or the last 10 minutes of class.

With the passage of senate bill 2444 all students enrolled in agricultural education course at Dallas High School will have paid membership in the National FFA Organization. Students have access to and are encouraged to participate at the level with which they feel comfortable. The FFA is a youth leadership organization that is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. If you have any questions please ask.

**Parents/Guardians:** Please sign this sheet, detach, and send back with your student. By signing this form, you acknowledge that you have read and fully understood the expectations, rules, and standards associated with Carpentry II. You also fully understand the need for cooperation from your student in a class of this nature. Should you have questions, please call 503-623-8336 or email using the email address provided in this document.

Please note that student grades and progress are available via Canvas. It is recommended that parents who wish to track their student's progress utilize this system to do so.

## DHS SHOP USER SAFETY AGREEMENT

I, \_\_\_\_\_ (printed name) the undersigned, a student in the Dallas High School Career and Technical Education Center, agree to follow all safety rules and procedures and agree to the statements below. I have:

- Successfully completed the Safety Orientation Unit.
- Had shop policies and procedures explained to me.
- Received demonstrations on all the major machines.
- Been instructed to ask for help on any machine with which I am not familiar.
- I will not operate any machine without such instruction.
- Received a pair of safety glasses.
- I will be responsible for wearing eye protection at all times in the shop facilities.
- I understand that there are certain risks associated with the use of this equipment and if I have any questions or think that a piece of equipment is not functioning properly, I will as the person in charge.

Additionally, I know that I must:

- dress appropriately for the shop and lab areas. (closed toed shoes, eye protection, etc.)
- Follow school policy regarding any and all other regulations to include: use of tobacco, foul language, etc.

**Student Signature:**

\_\_\_\_\_ Date: \_\_\_\_\_

**Parent or Guardian**

Name (Print) \_\_\_\_\_ Signature \_\_\_\_\_

**Below please indicate the best method of contact as well as the best time to contact. (email, phone, etc.)**