



## Syllabus: Wood Fabrication 1

### Course Overview:

This foundational course puts students in the driver's seat of their manufacturing and/or construction pathway. Applying safety, measurement, hand and power tools, students will produce a variety of projects using wood. From material preparation to the final product, students will use basic production processes, working drawings and a plan of procedure to complete skill developing projects.

<b>Department:</b> Technology & Engineering	<b>Department/Course Website (if applicable):</b>
<b>Course Number:</b> TEC3010	<b>Instructor:</b> Todd Faulhaber
<b>Credits Earned/Length of Course:</b> .5 credits / 1 Term Course	<b>Office Hours:</b> Lunch time / by appointment
<b>Prerequisites:</b> None	<b>Instructor Contact Info:</b> Office: 204-3706 email: tafaulhaber@maison.k12.wi.us
<b>Required Materials:</b> Pencil	<b>Other:</b> Insert here

### Course Standards:

- [Common Core State Standards for Literacy in All Subjects](#)
- [Common Core State Standards for Mathematics -- Standards for Mathematical Practice](#)
- [Wisconsin Common Career Technical Core Standards](#)
- [Wisconsin Standards for Technology and Engineering](#)

### Course Assessment(s):

- Safety Tests (100% accuracy)
- Summative assessments
- Project assessments
- Employability skills
- Formative assessments
- Final assessment



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### Course Outline (including Unit(s) of Time and Essential Questions):

Unit of Time Days/hours	Unit Title	Essential Questions
1	Unit #1 Class Expectations	How will I be successful in class? How will I will be graded?
11	Unit #2 Safety & Machine Operations	What are the general safety rules? What are specific machine safety & Operations?
8	Unit #3 Measurement	How do I read a ruler? How do I read fractions with accuracy of 1/16"? How will I measure real stuff?
10	Unit #4 Properties of Material	What are the properties of wood? How do you square a board?
20	Unit #5 Project Management	How will I sketch and read drawings? How will I construct a Bill Of Materials? How will I write a Plan Of Procedure? How will I know what effective time management looks like?
30	Unit #6 Assembly Techniques	How will I use the appropriate adhesive? How will I use the appropriate fastener? How will I use the appropriate clamps? How will I use the appropriate joints?
10	Unit #7 Finishing Techniques	How will I prepare wood for a finish? How will I apply a finish?
Ongoing	Career Development/ 21st Century Skills	How do the skills and knowledge I am learning in this class get applied within a job setting? How can I work with a team to develop an answer to a question or solution to problem? How I apply the skills that my future employers will value?

### Texts, Technology, and Resources:

Printed resources as provided by instructor



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## Grading Policy:

Grading Percentages:

- 40% Employability Skills
- 30% Class Work (projects & assignments)
- 20% Assessments (tests, quizzes & safety)
- 10% End of Course Assessment

## Behavior Policy:

### Employability Conduct Grade

You will be graded on Employability Conduct in this class. These skills will ultimately have a great affect on your employment success. Employability Conduct counts for 40% of your final grade. You have the potential to earn daily points. Every week students will fill out a Weekly Activity Sheet (W.A.S.). This will also be part of your employability grade.

### Positive Employability Conduct includes the following:

- Being on time and ready to learn
- Sitting and listening respectfully during lecture
- Wearing safety glasses at **ALL** times while working in the Lab
- Participating in Lab and Classroom cleanup
- Observing **ALL** safety rules in the Lab
- Keeping busy working on Lab assignments
- Working well with others as assigned in the classroom and Lab
- Use appropriate and respectful language

### Inappropriate Behavior:

- 10 pts. Unexcused absence
- 5 pts. Not wearing safety glasses when reminded
- 5 pts. Play fighting or any physically inappropriate behavior
- 4 pts. Leaving lab/class without permission
- 7--1 pts Sitting around doing nothing
- 2 pts. Disrupting the learning process
- 2 pts Use of personal electronic devices in class
- 2 pts. Treating others in a disrespectful manner
- 2 pts. Unacceptable behavior in class
- 2 pts. Treating tools or facilities disrespectfully
- 2 pts. Not participating in clean-up duties

**NOTE: Horseplay, vandalism, fighting, and blatant safety violations will be handled at the Principal level**



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### Safety First!

All students enrolled in a Technology & Engineering course will complete an individual Safety Manual and complete with 100% accuracy individual machine safety tests before being allowed to operate lab machinery.

1. **Attentive listening is expected**
2. Don't be afraid to ask questions
3. Learn and follow all lab safety rules
4. No food in lab or classroom
5. No Cell Phones. They will be collected and given to the office
6. No Hats. School policy.
7. No headphones or listening devices. Not safe!
8. Be on time. If you come in late, you must have a pass.
9. You are responsible for all obligations (\$Fees\$) plus additional materials
10. All Madison Technology Education students and Parent or Guardian must read and sign the Lab Behavior Expectations form.
11. All MMSD Technology Education students must read and sign the Student Safety Pledge Form in the safety manual.
12. **Safety glasses will be worn when students are working in the lab. No exceptions! Students who do not wear glasses in the lab must complete a safety review sheet before being allowed back in the class.**
13. No backpacks, athletic bags, pull carts, etc. are allowed in the lab. Preferably not in the classroom either. There have been many instances of theft of items left in the classroom. If you must bring something of value for another class, make sure it is locked in my office before going into lab.
14. Textbooks are kept in the room. Books are available for overnight check out with teacher permission.
15. Missed Assignments:  
It is YOUR responsibility to check with me (your instructor), either before or after class, about what you missed on the day(s) you are absent from class. Lab activities must be made up at lunch or before or after school. Take an active part in your education, check your grades regularly.
16. You may not leave the Lab for any reason without permission.
17. We will all be together in one location; either in the lab or the classroom.
18. No standing in the hallway, do not interrupt any other class.
19. Bathrooms: Go before you get to class. You are only to go to the bathroom in an emergency.
20. If you have this class after lunch, eat lunch during lunch and do not show up late.
21. If you get injured, let me know immediately!!!
22. In lab, keep busy!! If not, find me for something to do.
23. If we are doing a demonstration, you will pay attention.



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24. Assigned seats will be given to each student.
25. Folders are available for you to store your work in the file area.
26. Tools must be turned in and clean after class. If not turned in you will be charged for tools.
27. Help with clean up. Learn where tools are located and put them back in the proper place when finished with them. If the shop is not cleaned up at the end of class, lab privileges will be revoked.
28. We will clean up the last 10-15 minutes of class. Please help your classmates complete all clean up duties.
29. The first and last 15 minutes of class no passes will be issued.

### **Questions???**

Contact your Instructor