



## Syllabus: Wood Fabrication 3

### Course Overview:

Wood Technology 3 gives students the opportunity to expand their knowledge of Wood Product Manufacturing. Based on their previous experience in this pathway students will work in teams to analyze problems and find solutions. Creativity, collaboration, time management, and teamwork skills are a must as products are developed from design, costing, to assembly and quality control.

<b>Department:</b> Technology & Engineering	<b>Department/Course Website (if applicable):</b>
<b>Course Number:</b> TEC3050	<b>Instructor:</b> Todd Faulhaber
<b>Credits Earned/Length of Course: 1.0 credits</b>	<b>Office Hours:</b> Lunch time and after school
<b>Prerequisites:</b> Wood Fabrication 2 with a "C" or better	<b>Instructor Contact Info:</b> office: 204-3706 email: tafaulhaber@madison.k12.wi.us
<b>Required Materials:</b> NA	<b>Other:</b>

### 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



## Syllabus: Wood Fabrication 3

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

Unit of Time	Unit Title	Essential Questions
hours		
1	Unit #1 Class Expectations	How will I be successful in class? How will I be graded?
4	Unit #2 SAFETY & Machine Operations	How will I be safe in the Wood Shop?
2	Unit #3 Measurement	How do I read a ruler, read and work with fractions, convert to decimal , and read a caliper?
2	Unit #4 Design & The Design Process	Do I know the Design Process including: Problem Statement, Brainstorming, idea generation, Constraints, Exploring possibilities, Bill of materials, Plan of Procedure, Drawings, Evaluation?
5	Unit #5 Portfolio Building	Can I start the design process and build a portfolio? (UPDATE)
70	Unit #6 Fabrication & Fabrication Techniques	In teams, can I design, prototype, learn the tools and techniques to manufacture a project? (UPDATE)
2	Unit #7 Manufacture Processes	Can I research and demonstrate applicable manufacture processes? (UPDATE)
2	Unit #8 Careers in Manufacturing: Visit a manufacturing facility	Can I reflect on a manufacturing facility I visited? (UPDATE)
1	Unit #9 Ethics, Craftsmanship, Environment & Economics	Can I reflect on the meaning of Ethics, Craftsmanship, Environment & Economics in Manufacturing? (UPDATE)



## Syllabus: Wood Fabrication 3

1	Final Exam	Can I assess my knowledge? (UPDATE)
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?
90	hours/days	

### Texts, Technology, and Resources:

Insert here

### Grading Policy:

Insert here

### 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 daily activity log. This will also be part of your employability grade.

#### Employability Conduct includes the following:

- Being on time and ready to learn
- Sitting and listening respectfully during lecture
- Wearing safety glasses at **ALL** times 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

#### 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.



## Syllabus: Wood Fabrication 3

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.
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.



## Syllabus: Wood Fabrication 3

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