Syllabus: Home Maintenance and Improvement

Course Overview:

This course covers the fundamental systems that comprise a residential dwelling including electrical, plumbing, framing etc. Students will learn practical maintenance and home improvement skills that apply to both future homeowners and those interested in the skilled trades.

Department: Technology & Engineering	**Department/Course Website (if applicable):** Insert here
Course Number: TEC3020	**Instructor:** Todd Faulhaber
Credits Earned/Length of Course: .5 credits / 1 Term Course	**Office Hours:** lunch time / by appointment
Prerequisites: None	**Instructor Contact Info:** office: 204-3706 email: tafaulhaber@madison.k12.wi.us
Required Materials: pencil	**Other:**

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

Texts, Technology, and Resources:

Handouts per instructor

Syllabus: Home Maintenance and Improvement

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

1	Unit #1 Class Expectations	How will I be successful in class? How will I will be graded?
4	Unit #2 Safety & Machine Operations	What are the general safety rules? What are specific machine safety & Operations?
5	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?
4	Unit #4 Properties of Material	How will I know the properties of building materials?
11	Unit #5 Home Systems	How will I know different home systems and how these systems interact with each other?
20	Unit #6 Structure	How will I learn about basic residential housing structure?
15	Unit #7 Electrical	How will I learn about residential electrical systems?
12	Unit #8 Wall coverings, inside/outside	How will I learn about residential wall coverings and insulation?
5	Unit #9 Plumbing	How will I learn about residential plumbing?
5	Unit #10 HVAC	How will I learn about residential heating and cooling?
5	Unit #11 Home Maint. Calendar	How will I learn about the project management skills necessary to maintain a individual residential home?
3	Unit #12 Planning	How will I know where to look for information on building permits and local codes for remodeling and building?
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	days/hours	

Syllabus: Home Maintenance and Improvement

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

Syllabus: Home Maintenance and Improvement

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.
24. Assigned seats will be given to each student.

Syllabus: Home Maintenance and Improvement

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