Redeemer Christian High School **Mr. Fayer**

TWJ3E **Syllabus** **2019/2020**

Course Description:

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

Course Rational:

Technology helps shape our world in a host of explicit and implicit ways. It is developed by, and flows out of that special creative gift that was bestowed on people in creation. One of the aspects of being image bearers is that we are co-creators with God. He told us to subdue the earth and to take care of it. Wood working is extremely important for our present existence. Incorporating and developing woodworking skills to meet our needs is not only prudent but our God given responsibility. Understanding the traditional and current technologies being used in this area will help our students gain the skills needed to construct their own objects made of wood. They will not only understand the impacts of their choices but also enable them to make choices that will fulfill the creational mandate.

Classroom Expectations:

It is expected that student taking this course will abide by the classroom rules and safety procedures; your very life depends on it. Other expectations include mutual respect, integrity of work, and generally living by the great commandment to love one another.

- Class attendance is crucial to the completion of this course. Many of the activities cannot be taken home for completion. If students are absent or require extra time, for any reason, it is expected that the time will be made up during lunch times and after school.

-Appropriate shop clothing will be required for the course. Time will not be granted for changing at the beginning of class. A lab coat or over-alls are suggested.

-End of class routine: We will stop a minimum of 5 min from the end of class to clean-up, review work to be done (fill out your Agenda) and talk about what happens next in your day. **The Bell does not dismiss you - the teacher does**.

Safety:

-All students will be required to sign a safety rules agreement form. Those not abiding by the signed agreement will be asked to leave the course. Some general guidelines include:

-Closed toed footwear is mandatory.
-Safety glasses for all practical exercises
-Long hair must be tied back and tucked in
-Shirt sleeves are rolled up
-Loose jewelry is removed from wrists, ears and necks
-Power tools are not to be used without express permission of the instructor.

-Permission for power tool use will be granted only after the student has passed the safety test and has demonstrated the ability to use the tool safely.

-All adjustments to machines will be done by the instructor.

-Students are required to take responsibility for the maintenance and cleanliness of the shop area. This involves personal responsibility for the tools assigned to individuals, and collective responsibility for the general upkeep of a safe working environment.

Assignments:

All assignments will be submitted on the due date. **Late assignments will be deducted 10% per calendar day for up to 5 days.** Students will be required to attend lunch and/or after school sessions until the assignment is complete. A call will be made home for any assignment that is late to discuss support needed to complete the task.

Tests and assignments missed due to illness will be submitted or completed on the first day the student returns to class only if the teacher has received a note or phone call from the parent stating the illness.

Here are some ways of showing respect and love to your neighbour and yourself:

1) Be polite to each other and listen quietly when someone else is speaking. They may have something interesting to share! Or, they might have the same question you have. If you have something to share - RAISE YOUR HAND

2) Class will begin on time. Any student not at their assigned spot and ready to work both physically and mentally will be considered late and it will be recorded as such. When the bell rings, give your attention to the teacher

3) Be prepared to participate fully in class. This means having proper equipment (pencil, pen, ruler, notebook & text, tools, agenda, calculator etc.) ready to be used.

4) Notebooks should be neat and organized.

5) Homework should be completed <u>on time</u> on a separate sheet of paper bearing: your name, the assignment, date and all necessary headings underlined. Completing homework prepares you for completing the evaluations and is, therefore, taken seriously.

6) Obey all safety regulations at all times. Safety is very important and students who do not follow the guidelines set in class raise the potential risk of injury to themselves and fellow classmates. Students who violate the rules will be removed from the class and may be removed from the course.

Parameters of the course

This is a one credit (110 hours of instructional time) course.

Unit Summary

Unit #	Unit Title and Description	Hours	Evaluation Methods and Tools	Percent of the unit	K	T	A	C
Unit 1 20%	Design, Measure and Construct	30	**1. Sketch Up design of Shed**	**20%**	**10**	**5**		**5**
			a. Sketch Up Test (observation and conversation)	5%	2.5			2.5
			b. Finished design	15%			12	3
			2. Construction of Shed	**80%**	**40**	**20**	**30**	**10**
			a. Framed wall (finished product)	50%	20	10	20	
			b. Test Work habits (safe practices, correct tool use efficient and effective planning and fabrication, correct use of terminology) (Observation and Conversation)	50%	20	10	10	10
Unit 2 20%	Lamination and shaping	25	**1.Canoe Paddle**	**50%**	**15**	**15**	**60**	**10**
			a. Planning (observation and conversation)	20		10		10
			b. Construction	80	10	10	60	
			2.Turning	**50%**	15	15	60	10
Unit 3 30%	Joinery and Lamination (Watercraft)	30	**Construction of Watercraft**	**100%**	**20**	**15**	**40**	**15**
			a. Planning and set up	10		10		
			b. Proper use of tools and methods (Observation and Conversation)	60				
			c. Participation and leadership	30	10	10	10	
Culminating project 30%	Personal Design Project		**1. Plan**	**20%**	5	5	5	5
		25	**Finished Product**	**80%**	20		60	