

Construction 20/30 Course Outline

The main focus of every class is **SAFETY**.

In the grade Construction 20/30 students will be exposed to construction and cabinet making. Students will use a variety of hand tools, stationary power tools and portable power tools to complete major projects.

Assessment:

Student marks for the course will be determined in the following manner.

Formative Assessment – Students will be given feedback regularly based on teacher observations of tool use and work habits. Students can choose to use this feedback to improve their projects and work habits. We will be re-edging the worktables as a practice project.

Summative Assessment

**Refer to *Industrial Work Habits & the Project Rubric*

Portable Power Tools Project – School-based* 35%
 Stationary Power Tools Project – Student-designed*. 35%
 Industrial Work Habits – Monthly Interview & Teacher Observation. 20%
 Sask Youth Apprenticeship – needs to be completed by the end of grade 12 10%

Project Rubric

	1	2	3	4	5
Measurement <i>Mistake is 2mm</i>	All project dimensions are more than 2mm off. <i>Missing project plans</i>	25% of the dimensions are within 2mm of the project plans	60% of the dimensions are within 2mm of the project plans	80% of the dimensions are within 2mm of the project plans	All project dimensions are within 2mm of the project plan
Square <i>Within 1 mm over 300mm</i>	20% of the angles and cuts are perfect	40% of the angles and cuts are perfect	60% of the angles and cuts are perfect	80% of the angles and cuts are perfect	All angles and cuts are perfect.
Glue and Fasteners		25% of the fastening and glue ups were done to a Level 5.	60% of the fastening and glue ups were done to a Level 5.	80% of the fastening and glue ups were done to a Level 5.	Correct fasteners were used throughout. All glued joints are tight. No glue squeeze out.
Project surfaces and edges	Surface finish is overall rough with unfinished edges. Layout marks showing in more than 80% of the project.	Surface finish is rough in spots and/or with layout marks showing in no more than 60% of the project.	Almost all surfaces are filed and sanded smooth; edges are finished with layout marks showing in no more than 40% of the project.	Almost all surfaces are filed and sanded smooth; edges are finished with layout marks showing in no more than 20% of the project.	All surfaces are filed and sanded smooth, edges are finished. A minor layout mark may appear.
Tool Independence	Need multiple tool demonstrations. The teacher performed many cuts.	Asked questions every time a tool was going to be used. Teacher/peer performed 4-5 tasks of the project.	Needed to ask questions for each tool. Teacher/peer performed 2-3 tasks.	Worked independently on all tools. Asked a few questions for reassurance. Teacher/peer may have performed 1 task.	Worked completely independently on the tools. Helped classmate's setup tools.
Project Finish	20% of the project is finished neatly and evenly.	40% of the project is finished neatly and evenly.	60% of the project is finished neatly and evenly.	80% of the project is finished neatly and evenly.	Finishing is applied neatly and all surfaces are covered

Industrial Work Habits Rubric			
	1	2	3
Class Work	Student works for less than 60% of the time during class.	Student works for at least 60% of the time during class.	Student works for more than 90% of the time during class.
Lab Cleanup	Student did not attempt to clean up. Projects were always disorganized.	Student's area was tidy, but forgot to put one or two things away. Projects were often disorganized.	Student's area is clean. Helped clean the other areas of the shop. Projects are always put away neatly
Safety	Student needed to be reminded every day to work safely.	Student had to be reminded up to 50% of the shop days to work safely.	Student worked safely every class. No reminders were needed.