



Woodworking 10-12 Course Outline

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“Big Ideas”

- Social, ethical, and sustainability considerations impact design
- Complex tasks require the sequencing of skills
- Complex tasks require different technologies and tools at different stages

Learning Objectives

The most important aspect of any Technology Education course is safety. We will learn how to safely use hand tools, portable power tools, and stationary power equipment. Our goal is to understand and practice safe operating procedures in the shop. We will also learn how to use Imperial and Metric measurement systems to read shop drawings and follow production procedures to build shop projects. Students will use their learned skills of measurement and drawings to design their own projects and create a production path that they will follow. We will also develop an awareness of sustainable wood and material usage. We will discuss the significance of technology and woodworking in the context of the First Peoples of British Columbia and Canada.

Shop Culture

In Technology Education courses, we are learning and working in a shop environment. In the shop we must practice respect for ourselves, each other, the tools and power equipment, the materials that we consume, and our instructors. Shop environments require that we all work safely and are diligent in using safe working practices. Safety is everyone’s responsibility. Working in shop spaces is a privilege and requires that we all share the responsibilities of maintaining a clean and organized shop.

Personal Protective Equipment (PPE)

Barriere Secondary will supply eye and face protection, ear muffs, and gloves for specific applications. These are shared items that are the property of BSS and must be treated with care to increase their lifespan.

If students are unhappy with the style/fit/quality of supplied PPE, they are allowed to supply their own PPE. I recommend that students and guardians consider purchasing reusable silicone ear plugs. They often are sold with a storage case, can be cleaned, and will increase the level of hearing protection for each student.

Students are required to come to class dressed to work in a shop around tools and power equipment. Students must:

- Wear closed toe footwear
- Wear long pants
- Remove all jewelry (necklaces, bracelets, rings, watches, etc)
- Tuck in loose clothing
- Tie back long hair

Absences

If a student is absent and misses a demonstration/test/assignment, the student and the teacher will work together to determine an appropriate time to make up the missed learning task. This may take place during lunch or after school.

Leaving the class/shop

If a student needs to leave the classroom, they must speak with the teacher directly, wait for permission, and then sign out on the Sign-Out board by the classroom door.

Personal Electronics

Students are not allowed to use personal electronics in class. Students are not allowed to listen to personal music in class as it is a safety hazard. Any research for design or inspiration will take place as a class in the computer lab or as homework.

Food and Drink

No food or drink in the shop.

No chewing gum.

Students are allowed to have reusable water bottles or reusable coffee mugs in the shop, but they must stay at the work benches and away from the machines.

Course Fees

Course fees are used to offset the costs incurred by the program's consumable products, eg: wood, sheet goods, glue, fasteners, blades, non-reusable PPE, finishes, etc.

If there is a financial burden, course fees can be paid in instalments, reduced, or waved (District Policy). Please contact the Principal, Angela Stott (astott@sd73.bc.ca), to discuss course fee options.

Materials

Students will be supplied with all of the required materials for the course. If a student wishes to use other materials to enrich their projects, there may be additional costs (example: hardwoods). If students wish to bring in their own materials, the following must be considered:

- No pressure treated lumber (PT)
- No reclaimed or salvaged lumber (ex: barn wood or painted wood)
- No pallet wood
- No driftwood
- No Spray Paint is allowed in the BSS Shop (Shop Policy)

Office Hours

The teacher will be available to the students 30 minutes before and after school and during the beginning of the lunch break. Teacher availability will be dependant on how busy the teacher is. Please talk to the teacher about any student issues or concerns. By starting this conversation as soon as possible, we can make sure there is enough time to solve any issues together.

Typical Day

Attendance	5 min
Check-In/Recap (class discussion)	5 min
Lecture/Demonstrations	As needed
Working Time	Time Dependant
Shop Clean-Up	10 min
Reflection Time (class discussion/journaling)	5-10 min
Total Class Time:	144 min

Assessment & Evaluation

Safety Component:

The theory component will be comprised of all Safety Tests that students must complete. Students must read the Safety Sheets, be present and attentive during the Teacher Demonstration of each machine or process, achieve 100% on all Safety Tests, and be witnessed by the teacher as they use the machine for the first time. If a student does not obtain 100% on a Safety Test, they will be allowed to retake the test until 100% is achieved. Make-up tests will take place during office hours.

The practice component will be determined by evaluating the overall in-class behaviour and work ethic of each student, relating to safe working practices throughout the course.

Assignments Component:

Assignments will be comprised of measurement and drawing worksheets, in-class assignments, and other tests.

Projects Component:

Projects will range from mandatory skill building projects, standard supplied projects, project plans chosen by students, group or individual design challenges, and student designed project(s).

Marks break down:

Safety	30%
Assignments	20%
Projects	50%

Total: 100%

Loss of Shop Privileges

If a student is assessed by the instructor to be practicing unsafe work habits that put the student, their peers, and staff at risk, that student will lose shop privileges and will be assigned textbook work in order to complete the course.