



Course: Woodworking 8

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Course Description:

In Woodworking 8, students learn that design can be responsive to identified needs; that complex tasks require the acquisition of additional skills; and that complex tasks may require multiple tools and technologies.

Students in Woodworking 8 learn to use several hand tools, and a few power tools, through demonstrations, theory, and hands-on experience, with a strong emphasis on safety. Students learn a variety of cutting, shaping and joining techniques in the production gumball machines, toy boats and toy airplanes. Students also learn and practice the rudiments of drafting, including orthographic and isometric projections. As well as practical woodworking skills, students practice transferable life-skills such as problem solving, work ethic, perseverance, hand-eye coordination, and following verbal instruction and demonstration.

The overarching inquiry question of the course is ""How can we design and fabricate products to meet our needs?"

Course Expectations:

It is expected that students will:

- Abide by the student Code of Conduct
- Adhere to the Academic Honesty policy
- Respect themselves and others
- Attend every class and be punctual
- Inquire, think, and participate to the best of their individual ability
- Access technology in class for learning purposes only & only when instructed to do so
- Challenge themselves and have fun learning

Seycove Learning policies can be accessed at:

[https://www.sd44.ca/school/seycove/About/agenda/Documents/Seycove%20Agenda%20Book%202018-2019%20\(final\).pdf](https://www.sd44.ca/school/seycove/About/agenda/Documents/Seycove%20Agenda%20Book%202018-2019%20(final).pdf)

**Learning Plan:**

%	Evidence of Learning (Assessment)	Learning Plan
80%	Students will be assessed on the quality of production of their completed projects,	<p>What the students will know:</p> <p>historical and current contexts of woodworking</p> <p>identification, characteristics, and properties of a variety of woods, both manufactured and natural</p> <p>elements of plans and drawings</p> <p>woodworking techniques</p> <p>traditional and non-traditional joinery using hand tools and power equipment</p> <p>options for reuse of wood and wood products</p> <hr/> <p>What the students will do:</p> <p>Making</p>



Identify and use appropriate tools, technologies, and materials for production

Make a plan for production that includes key stages, and carry it out, making changes as needed

Use materials in ways that minimize waste

Demonstrate an awareness of precautionary and emergency safety procedures in both physical and digital environments

Identify and evaluate the skills and skill levels needed, individually or as a group, in relation to a specific task, and develop them as needed

Select, and as needed learn about, appropriate tools and technologies to extend their capability to complete a task

Identify the personal, social, and environmental impacts, including unintended negative consequences, of the choices they make about technology use

Identify how the land, natural resources, and culture influence the development and use of tools and technologies

What the students will understand:

Students will learn that design can be responsive to identified needs; that complex tasks require the acquisition of additional skills; and that complex tasks may require multiple tools and technologies.

20%

Summative Assessment

Students' finished projects will be assessed for accuracy, and quality of fabrication.



100%