

Metal 10 Block A

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Class Expectations:

- Attend regularly and on time (before the start of class)
- Arrive prepared to learn required materials (binder, textbook, pen and pencil)
- No phones (or other devices) to be seen or heard during class time
- Use respectful language.
- Sit where you learn best
- Participate in lessons and discussions
- Do not interfere with the learning of others

Curricular Competencies:	Content
Students should be able to: • Use a prototype to develop a project. • Keep track of successes and failures. • Test and adjust as you proceed. • Be open minded when problem solving. • Develop a plan with key steps and resources. • Choose appropriate materials. • Consider reuse and recycling of materials. • Seek feedback. • Identify criteria for success. • Identify and use sources of inspiration. • Demonstrate competency in skills involving manual dexterity and complex metalworking techniques. • Evaluate impacts, including unintended negative consequences, of choices made about technology use. • Examine the role that changing technologies play in modern metalworking.	Students are expected to know the following: • design opportunities • proper storage and organization of tools and equipment • selection of metal for size, shape, and finish • common gauges of metal • identification of ferrous and non-ferrous materials and carbon content • start-up, shutdown, and handling procedures for compressed gas cylinders • precision measurement • cutting threads • mechanical fasteners and fastening methods • methods for laying out, forming, and joining metal • precision grinding • computer numerical control (CNC) applications • reading and preparing drawings, plans, and cutting lists • ethics of cultural appropriation in design process

For elaborations on this curriculum, go to: <https://curriculum.gov.bc.ca/curriculum/adst/10/metalwork>

Assessment will use Letter Grades and Percentages

Letter Grade	% Range	Definition
A	86-100	The student demonstrates excellent or outstanding learning in relation to the learning standards.
B	73-85	The student demonstrates very good learning in relation to the learning standards
C+	67-72	The student demonstrates good learning in relation to the learning standards
C	60-66	The student demonstrates satisfactory learning in relation to the learning standards
C-	50-59	The student demonstrates minimally acceptable learning in relation to the learning standards
F	0-49	The student has not demonstrated, or is not demonstrating, minimally acceptable learning in relation to the learning standards. Prio to assigning an F, it is important students, parents, and caregivers are made aware of any concerns and given a chance to address the needs of the student.
IE	N/A	Insufficient Evidence: The student, for a variety of reasons, has no provided sufficient evidence of learning in relation to the learning standards.