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| Lesson Plan: Carving Background and Introduction | Date: January 2017 |
| Course: Wood 9-10 | Estimated time: 70 minutes |
| Lesson Objectives:* Big Idea - Social, ethical, and sustainability considerations impact design.
* Curricular competencies
	+ Identify and use appropriate tools, technologies, materials, and processes for production
	+ Evaluate how the land, natural resources, and culture influence the development and use of tools and technologies
	+ Collaborate to plan, carry out, and review constructions and activities
	+ Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate findings and decisions
	+ SWBAT Explain/recount and reflect on experiences and accomplishments
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| Introduction |  |
| * Show students examples of Haida carving
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| Lesson Details |  |
| 10 min5 min5 min20 min20 min20 min* **Present a brief overview of Haida carving**
* **Show samples of the types of wood we will be using in class** (yellow cedar & jeluton)
* **Demonstrate how to identify wood grain direction and explain importance** (comprehension)
* **Safety**
	+ Wear gloves and safety glasses
	+ Demonstrate how to use tape to protect thumb
* **Demonstrate how to safely handle carving tools**
	+ Carving knife
	+ Gouges
	+ Chisels
* **Hand out tools and wood and complete simple exercises**
* **Students work on sketches of their carving designs** (application)
* **In groups of 4, students share their designs and explain how they will complete the carvings** (evaluation)

**Materials:*** Material – 1 piece of wood (jelutong) for each student, roughly 4” x 6” x ¾”
* Equipment – carving tools, carbon paper, graph paper
* Teaching aids
	+ Yellow cedar for identifying grain
	+ Examples of relief carving projects
	+ Printed templates

**Adaptations for ELLs*** Illustrated vocabulary sheet with the following terms: (refer to carving tool descriptions hand out)
	+ Mallet
	+ Gouge
	+ Chisel
	+ Carving knife
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| Questions |  |
| * Which of the woods that we will be using were used by Haida carvers?
* What safety equipment should be used?
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| Closure |  |
| * Explain how they will be carving a design on the lid of the jewelry box, which is the project they will be starting next class.
* Instruct students to think about designs for their project and come to the next class with more than one idea
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| Reflection |  |
| * What went well? What might you change?
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