

# Coast Salish Drum



Name: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_ Block: \_\_\_\_\_

Subject: \_\_\_\_\_

## Dimensions of the Bentwood Box:

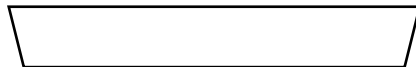
Part Name	Wood Type	Finish Size (Imperial / Metric)			Qty
		Thickness	Width	Length	
Sides	Red Cedar	5/8" 16 mm	2 1/2" 64 mm	2" 51 mm	12

## Build Instructions:

### Cutting Out the Drum Shell

1. **Rough cut** one provided board of Red Cedar (1x6 board) to **14 inches / 356 mm** in length.
2. **Joint one face and one edge** of the piece so it is flat (mark jointed sides)
3. **Plane** the piece to **5/8" / 16mm** in thickness
4. Set the table saw angle to **15 degrees**
5. **Rip** (table saw) piece into **two 2 1/2" / 64mm** wide strips
6. **Rotate** pieces **180 degrees** and run through the table saw again so your two strip have an end profile like shown below:

|----- 2 1/2" / 64mm -----|



7. Once both boards have the V-shape, as shown above, set the table saw blade back to 90 degrees
8. Using **safe crosscutting practices** with a **stop block**, cut the two strips into **2" / 51mm** lengths
9. You should now have the 12 pieces you will need to make the drum shell.

### **Gluing Up the Drum Shell**

10. Dry fit the 12 cut pieces and make sure they will make a **complete circle** when the 15-degree angle sides are all put together. If they don't make a circle with **tight corners**, talk to your instructor about adjusting them.
11. Once all corners and angles fit correctly, lay out two pieces of **masking tape** side by side with the **sticky side up** on a flat surface. Place the outside side each piece onto the sticky side of the tape. Line all pieces in a row. Make sure all corners are tight with no gaps.
12. Put a **moderate** amount of **glue** in all the "valleys" created by the angle sides being put together. **Roll the drum** with tape into the shape of a drum shell and make sure the tape is tight. **Let dry overnight.**

### **Trimming the Drum Shell**

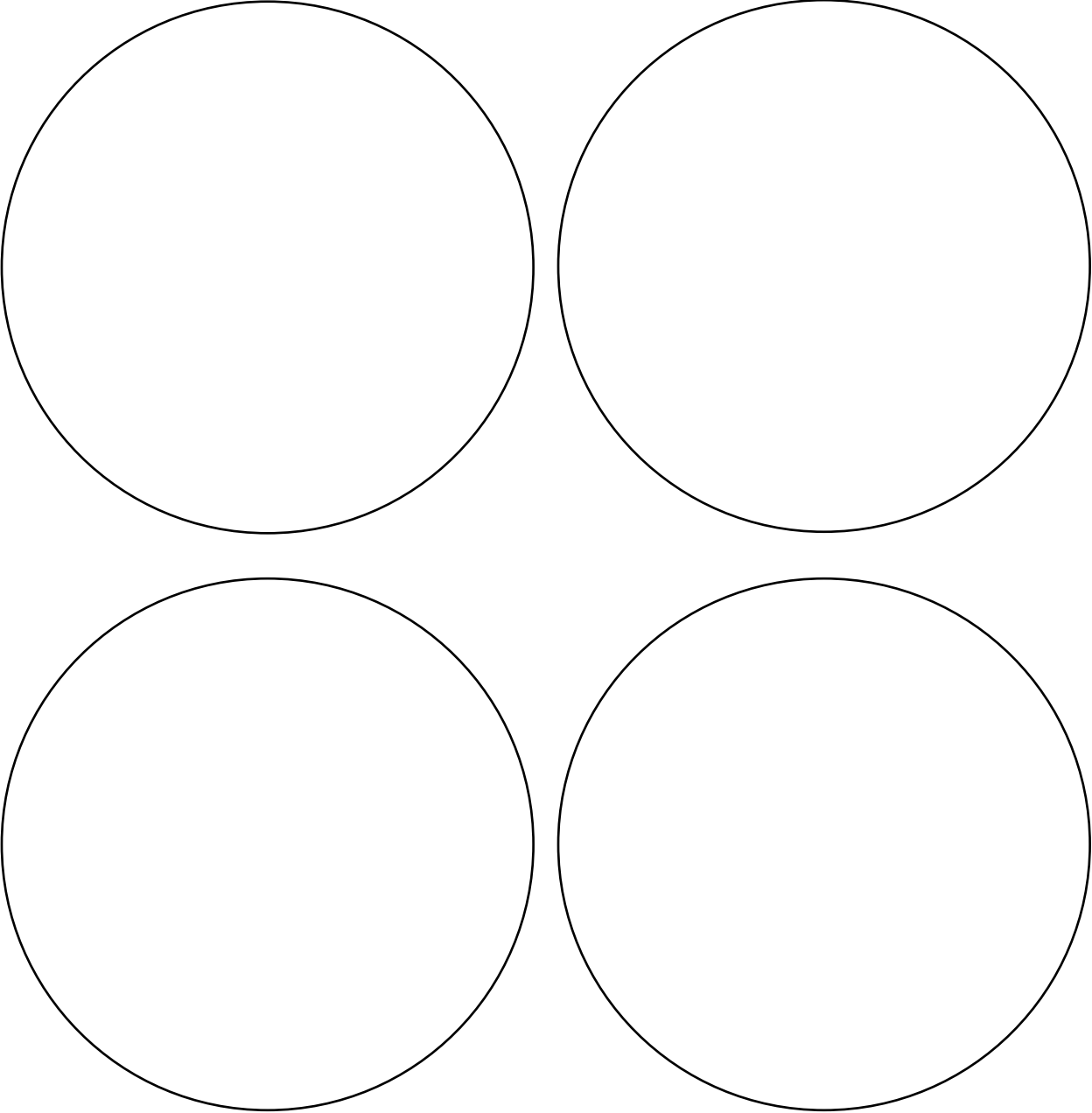
13. Using a **circle cutting jig** on the **band saw**, cut the drum shell into a perfect circle.
14. **Sand the edges** until flat. If edges are out by more than 1mm it may require instructor help.
15. **Sand the rough edges** of the sides to prevent damage to the hide that will be stretched over the drum shell

### **Apply the hide**

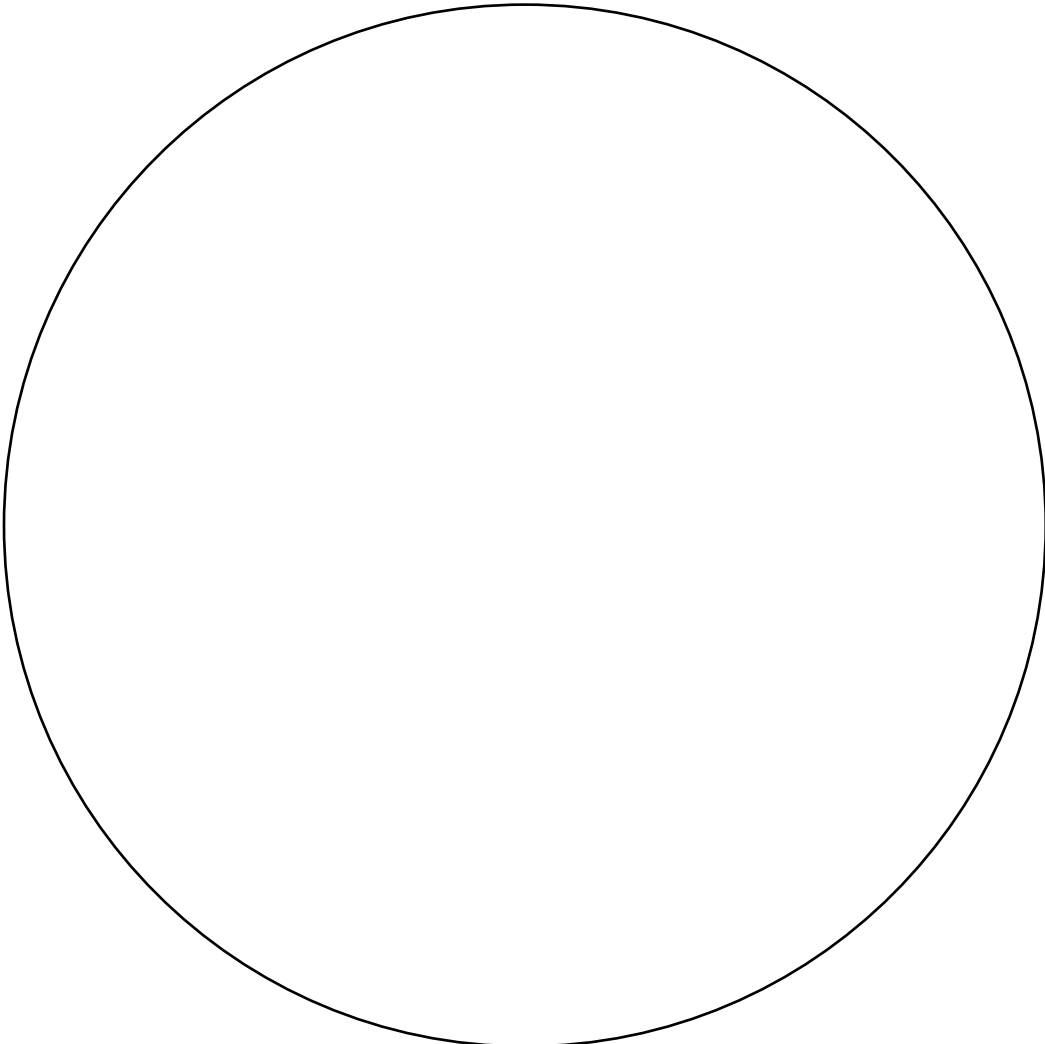
16. Cut a **14" diameter circle** from the hide.
17. **32 holes (16 sets of 2 and evenly spaced)** need to be punched through the hide approx.  $\frac{1}{2}$ " / **13mm** from the hides outer edge. The sets should be spaced a approx.  $\frac{1}{2}$ " to  $\frac{3}{4}$ " / **13mm to 19mm apart.**
18. Using a singular hide strip/lace (**21 ft in length**) or a paracord rope, **lace the drum** in a **crisscross pattern** and lacing up a handle as show in the YouTube video by Jorge Lewis and Phil Ives, **How to make a traditional Coast Salish Drum: Jorge Lewis Drum Maker.**
19. Let drum **dry** for **1 or 2 days**, avoid hitting it until completely dry.

**Design Plan: Rough Design Sketches**

Often, Indigenous drums are adorned with paintings often depicting animals of cultural important. Draw some ideas for your drum. Use a scrap piece of paper if you run out of room.



**Design Plan: Final Designs**



**Design Plan: Written Paragraph**

Using the space provided, write a paragraph explaining the reasoning behind your design. Why did you choose your design? Is your design meant to serve a specific purpose? *Use full sentences.*

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