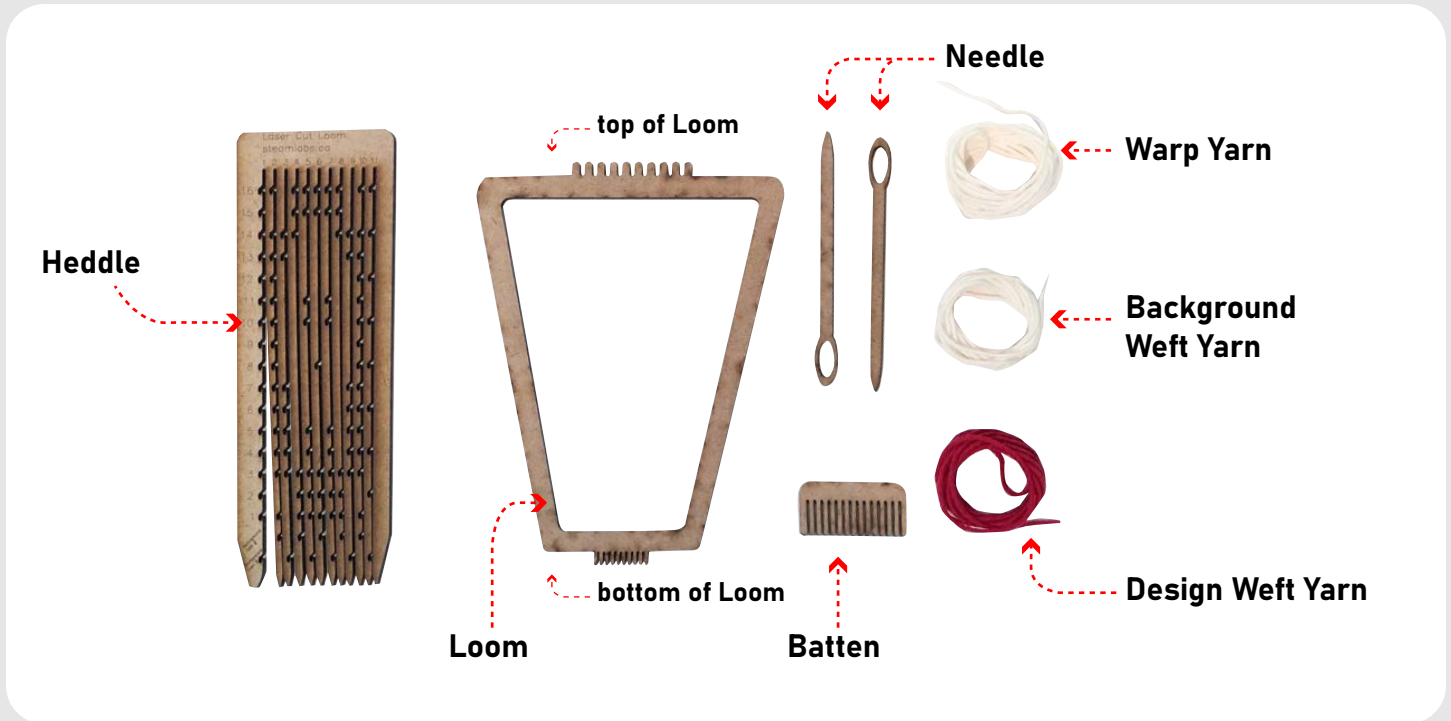


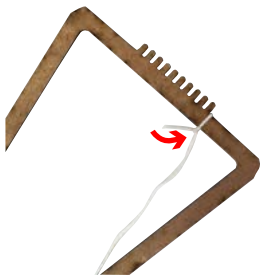
LASER TO LOOM

inventor
city

<https://inventor.city>



1 Tie the **Warp Yarn** to the top of the **Loom**. Double knot it outside of the teeth.



2 Tightly pull the yarn down the **Loom** to the bottom set of teeth. Loop the yarn around the first small tooth.



3 Continue to loop the yarn across the **Loom** until you reach the last tooth. Tightly double knot the yarn to the **Loom** to secure it on. Ensure that the yarn threads are consistently on one side of the **Loom**. You should have 11 parallel warp threads. Trim the tails of the knots to about 3 cm or 1 inch.



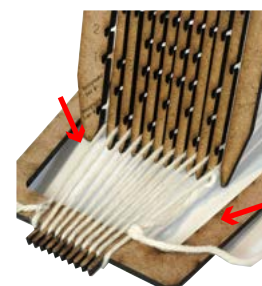
4 Tie the **Background Weft Yarn** and **Design Weft Yarn** to their own **Needle**.



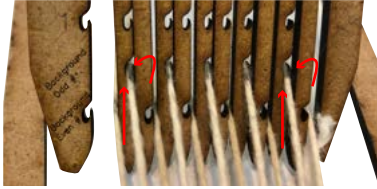
5 Tie the end of the **Background Yarn** to the **Warp Yarn** at the bottom of the **Loom**.



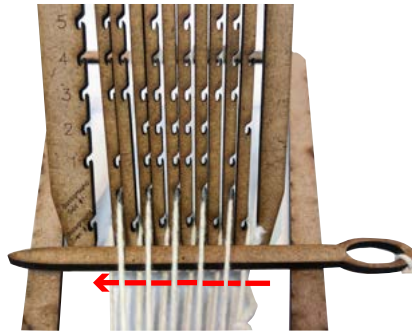
6 Slot each tooth of the **Heddle** between each **Warp Yarn** in the **Loom**.



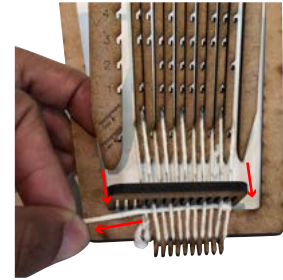
7 Move the **Heddle** to align the **Warp Yarns** with the “**Background Odd**” row labelled on the **Heddle**. Hook the appropriate yarns to their corresponding hooks. Lay the **Loom** flat and angle the **Heddle** upwards to lift the hooked yarns.



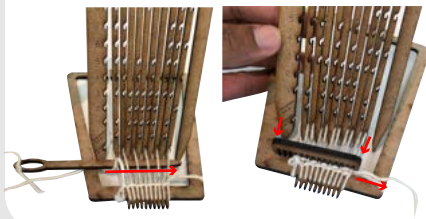
8 Pass the attached **Weft Needle** under the raised **Warp Yarns** and pull it through.



9 Slot the teeth of the **Batten** between each yarn on the frame and tightly pull it down to the bottom. The **Batten** is used to hold the yarn in place so that the fabric is a consistent width. As the **Batten** is pushing the **Warp Yarn** down, tightly pull the **Weft Yarn**.



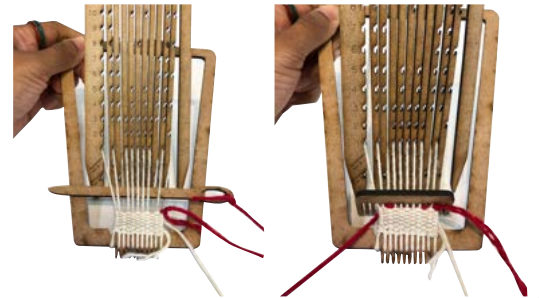
10 Move the **Heddle** to align the **Warp Yarns** with the “**Background Even**” row. Repeat the previous steps of hooking the yarns to the **Heddle**, passing **Needle** through, using the **Batten**, and pulling the **Weft Yarn** through.



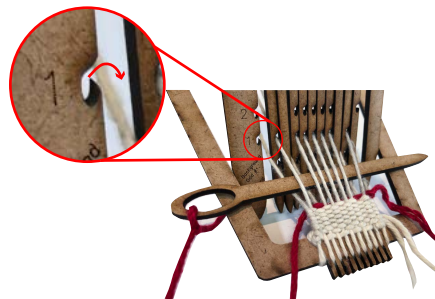
11 Repeat steps 7-10 until you have 10 rows. Tie the **Design Weft Yarn** to the **Warp Yarn** to start the next row.



12 Move the **Heddle** to align the **Warp Yarns** with row “**1**” labelled on the **Heddle**. Hook the yarns to the **Heddle**, pass the **Design Needle** through, use the **Batten**, and pull the **Design yarn** through.



13 Unhook the yarn located at the first left hook of the **Heddle**. Pass the **Design Needle** through, use the **Batten**, and pull the yarn through. This step allows the design to be more visible because it doubles the **Design Weft Yarn**.



14 Move the **Heddle** to align the **Warp Yarns** with the “**Background Odd**” row. Hook the yarns to the **Heddle**, pass the **Background Needle** through, use the **Batten**, and pull the yarn through.



15 Continue to repeat steps 12-14 as you move the **Heddle** down the **Loom**. When passing the **Background Weft**, alternate between using the “**Background Odd**” and “**Background Even**” rows based on if the **Design Weft** row you are working on is an odd or even number. Once finished, tie the last **Design Weft Yarn** to the last **Warp Yarn**.
Optional - Repeat step 11 to balance the background colour of the bottom of the fabric.



16 Tie the last **Background Weft Yarn** to the last **Warp Yarn**. Cut the **Warp Yarns** near the **Top of the Loom** and tie them together in groups of two. Remove the finished weaving off the **Loom**. Cut the bottom **Warp Yarn** loops and tie them together in groups of two.

