

**alor**

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**JORDAN FLEMING**  
ASSEMBLY INSTRUCTIONS

# **DO IT OURSELVES**

## **THE DESIGN BRIEF**

Each 'Do It Ourselves' project has been crafted by local designers using materials sourced entirely from their local hardware store, often from Bunnings. These designs serve as a challenge to inspire the public to get hands-on and create their own furniture pieces.

Each project has been designed to require only basic hand tools, making them accessible for anyone with a basic skill level. Additionally, all projects have been developed with a cost cap of \$150, ensuring they remain affordable and achievable for everyone

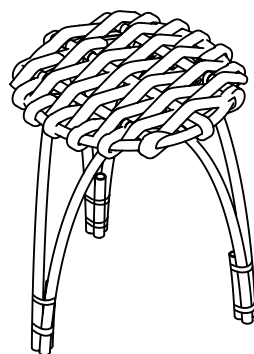


## **ABOUT THE DESIGNER**

Jordan Fleming is a Melbourne based artist and designer known for creating unique, sculptural furniture and lighting. With a background in cabinet making and interior design, she launched her practice in Australia in 2018, focusing on transforming furniture into expressive, functional art. Her work and process focuses on creating designs which embody a playful, tactile aesthetic, using materials like plaster, pigment, timber, and metal which allow the maker's mark to be left, evoking emotion and forge connections with viewers.

## **ABOUT THE DESIGN**

This stool combines aluminium tubing, garden hose, and hose clamps, all sourced for under \$100 from a hardware store. I aimed to avoid conventional building materials, choosing a garden hose—an unexpected material for furniture—to add an element of unexpected charm/ playful kitsch. Inspired by oversized knitting and magnified fabric weaves, I sought a balance of lightness and simplicity. The aluminium legs are hand-bent, creating a slightly imperfect form, while the hose is softened in boiling water and slid over the tubing for texture. The seat frame is bent into a loose circle, woven tightly with the hose to create a self-supporting structure. Making the stool requires significant physical effort, with a 'wrestling' of the materials to shape them, adding a kinetic energy that transfers the maker's effort into the object. The design is flexible, with no permanent fixings, the fabrication requires only basic tools, blending experimentation with a practical, hands-on / not too serious approach to workmanship.



## **COMPONENTS**

1 x 12mm x 230m Garden Hose  
7x Perforated Clamp Hose clamp  
5x Aluminium Round Tube 10 x 1mm 1m

Total Purchase price \$82.63

## **TOOLS NEEDED**

Stanley knife

Hack Saw

Ruler

Kettle



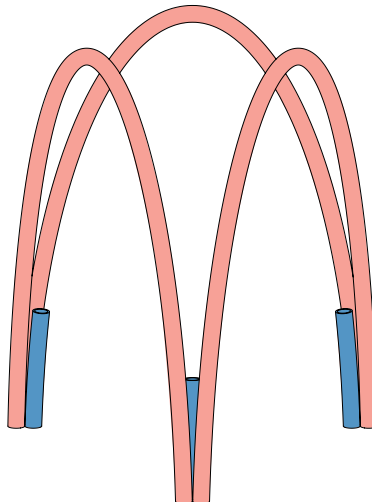
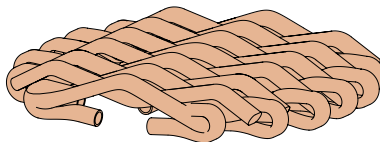
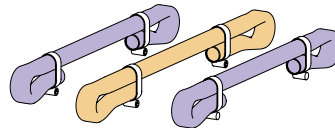
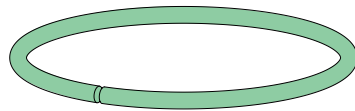
## CUT LIST

### HOSE LENGTHS

LEG - 1010MM X3 (RED)  
LEG SUPPORT - 200MM X3 (BLUE)  
SEAT BASE - 1040 x1 (GREEN)  
SEAT SUPPORT (A) - 500MM X2 (PURPLE)  
SEAT SUPPORT (B) - 600MM X1 (YELLOW)  
REMAINING HOSE FOR WEAVING (ORANGE)

### METAL TUBE LENGTHS

LEG - 1000MM X3 (RED)  
LEG SUPPORT - 150MM X3 (BLUE)  
SEAT BASE - 1040 x1 (GREEN)  
SEAT SUPPORT A - 250MM X2 (PURPLE)  
SEAT SUPPORT B - 320MM X1 (YELLOW)

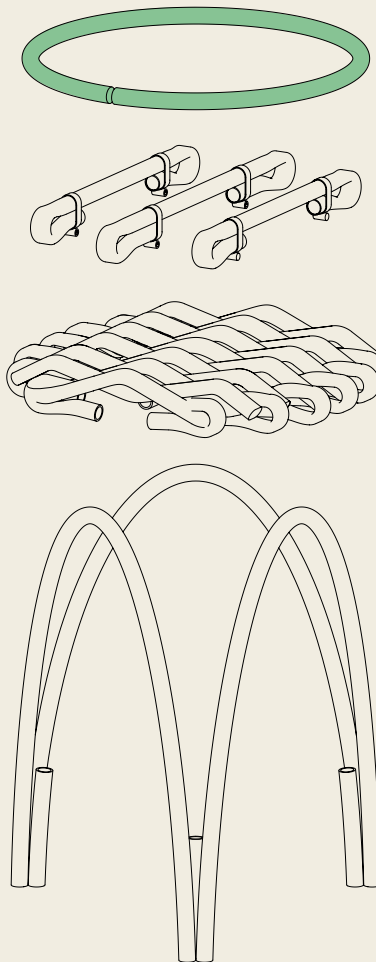


## STEP 1

(A) ONCE ALL THE COMPONENTS HAVE BEEN CUT TO SIZE, WE WILL START BY FORMING THE SEAT BASE RING (SHOWN IN GREEN).

FOR THIS RING START BY INSERTING THE METAL TUBE INTO THE HOSE AND FORM THIS BY HAND INTO A RING.

TIP: IF YOU HAVE SOMETHING CYLINDRICAL AROUND THE HOUSE FEEL FREE TO USE THIS AS A GUIDE WHEN FORMING A SMOOTH RING.



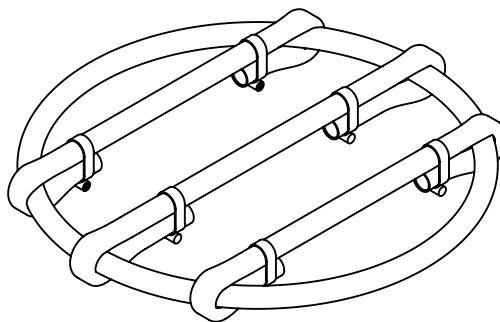
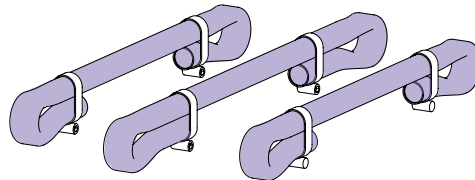
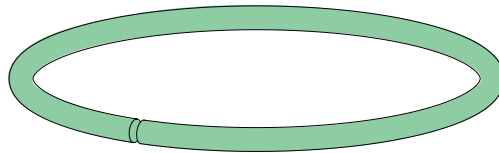
## STEP 2

(B) FOR THE SECOND STEP TAKE THE THREE SMALLER LENGTHS OF HOSE FOR THE SEAT BASE SUPPORT, INSERT EACH CORRESPONDING TUBE INSIDE THE HOSE AND POSITION THEM EQUALLY ON THE SEAT RING.

USING THE HOSE CLAMPS ATTACH EACH OF THE SUPPORT LENGTHS TO THE RING AS SHOWN BELOW - NOTE THAT THESE CLAMPS WILL BE REMOVED AFTER SEAT BASE HAS BEEN WOVEN (NEXT STEP)

IF YOU FIND THAT THE HOSE IS TOO RIGID TO WORK WITH SUBMERGE THE HOSE IN BOILING WATER TO SOFTEN THE MATERIAL. THIS WILL HELP WHEN MAKING TIGHT BENDS, ESPECIALLY IN THE NEXT STEP.

TIP: IF YOU CAN POSITION THE MIDDLE SUPPORT LENGTH OVER THE JOINT OF THE RING THIS WILL MAKE FOR A CLEAN CONNECTION



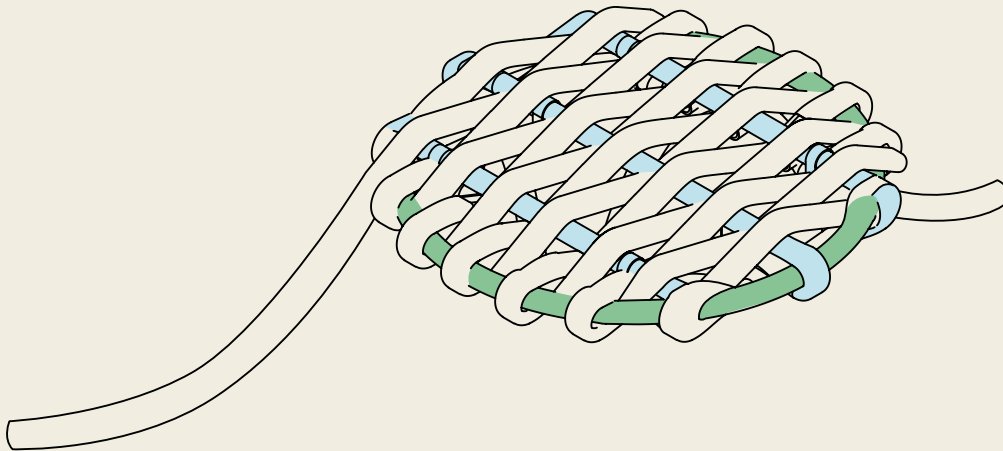
### STEP 3

(C) NOW THAT THE SEAT RING AND SUPPORTS HAVE BEEN ATTACHED, WE ARE NOW NEEDING TO TAKE THE REMAINING HOSE AND WEAVE THE SEAT BASE.

BEFORE STARTING THE WEAVING PROCESS SOFTEN THE HOSE BY SUBMERGING IT IN BOILING WATER FOR 10 MINUTES.

FOR THE WEAVING PROCESS JORDAN HAS APPROACHED THIS WITH AN OVER AND UNDER METHOD, BUT FEEL FREE TO GET CREATIVE ON THIS STEP. AS LONG AS THE WEAVE HAS BEEN TIGHTLY WRAPPED AROUND THE SEAT BASE RING AND THE SEAT SUPPORT THIS SHOULD PROVIDE ADEQUATE STRENGTH

ONCE THE WEAVE HAS BEEN COMPLETED REMOVE THE HOSE CLAMPS THAT WERE HOLDING THE SEAT SUPPORTS INTO POSITION.

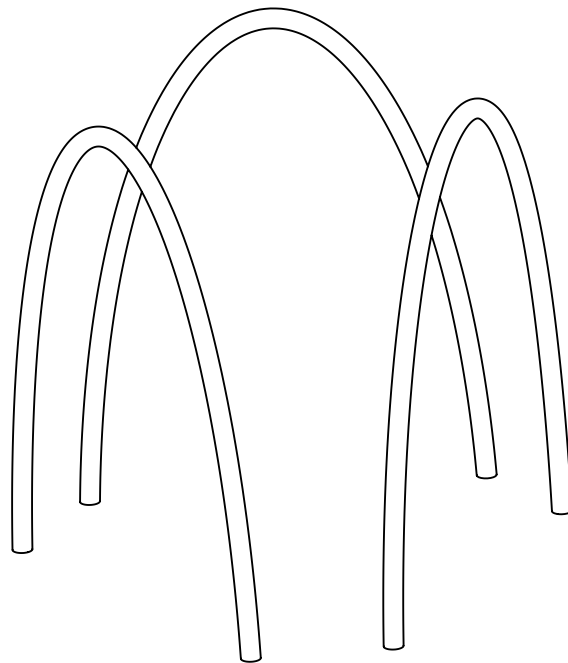




## STEP 4

(D) FOR STEP FOUR BEGIN BY INSERTING THE THREE ALUMINIUM TUBES INTO EACH LENGTH OF HOSE FOR THE LEGS. ONCE THE ALUMINIUM IS IN PLACE YOU WILL NEED TO MAKE AN ARC WITH EACH LEG AS SHOWN BELOW. TRY TO MAKE THE THREE LEGS AS SIMILAR AS POSSIBLE, AS THIS WILL INFLUENCE THE STABILITY OF THE STOOL.

TIP: IF YOU HAVE SOMETHING WITH A CYLINDRICAL PROFILE AROUND THE HOME TRY USING THIS AS A GUIDE WHEN BENDING EACH CURVE.

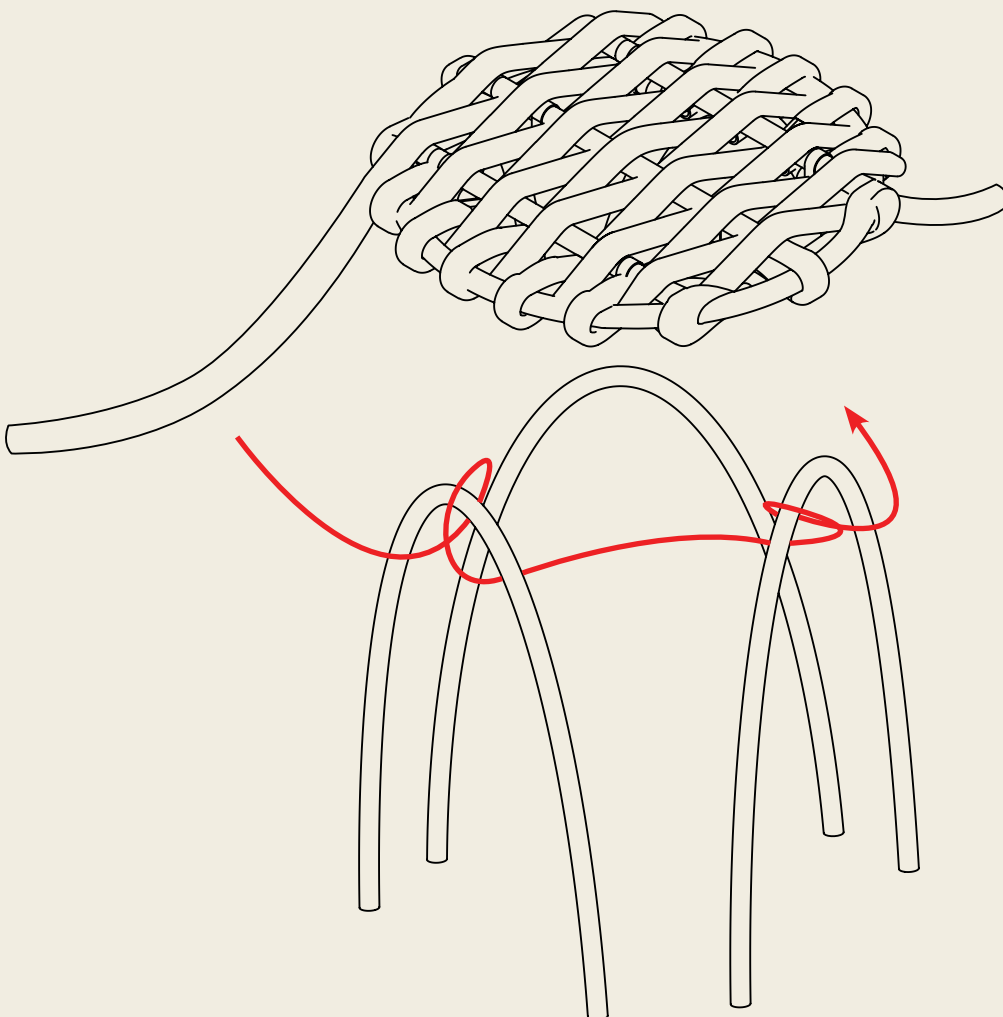


## STEP 5

(E) WHEN ATTACHING THE LEGS TO THE SEAT BASE YOU WILL NEED TO USE THE EXCESS HOSE TO WEAVE THE TOP ARC OF EACH LEG INTO POSITION. WHEN WEAVING EACH LEG INTO POSITION TRY TO LOOP THE EXCESS HOSE THROUGH THE SEAT BASE WEAVE A FEW TIMES.

TIP: AS LONG AS THE LEGS ARE POSITIONED AT EQUAL DISTANCES FROM EACH OTHER AND TIED ON TIGHT A FEW TIMES, THIS SHOULD PROVIDE ADEQUATE STABILITY.

IF YOU NEED TO REHEAT THE TUBE WITH BOILING WATER TO GET THOSE TIGHT BENDS DO THIS BEFORE ATTACHING THE LEGS



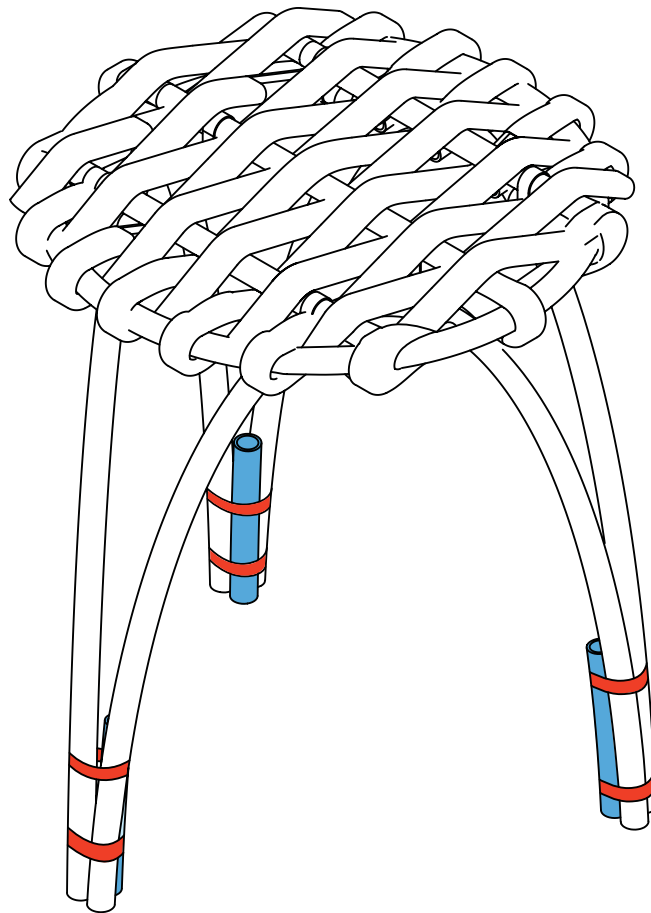
## STEP 6

(F) ONCE THE LEGS HAVE BEEN TIED ONTO THE SEAT BASE, WE ARE NOW WANTING TO CLIP THE LEGS TOGETHER USING THE HOSE CLAMPS.

FOR THIS STEP WE ARE ALSO WANTING TO ATTACH THE LEG SUPPORT LENGTHS WHICH SHOULD ALSO HAVE THE CORRESPONDING ALUMINIUM LENGTH INSIDE THEM.

WHEN CLIPPING THE LEGS TOGETHER ARRANGE THE HOSE LENGTHS SO THAT THEY CREATE A TRIANGLE WITH THE SMALL LEG SUPPORT LENGTH FACING TOWARDS THE INSIDE OF THE CHAIR.

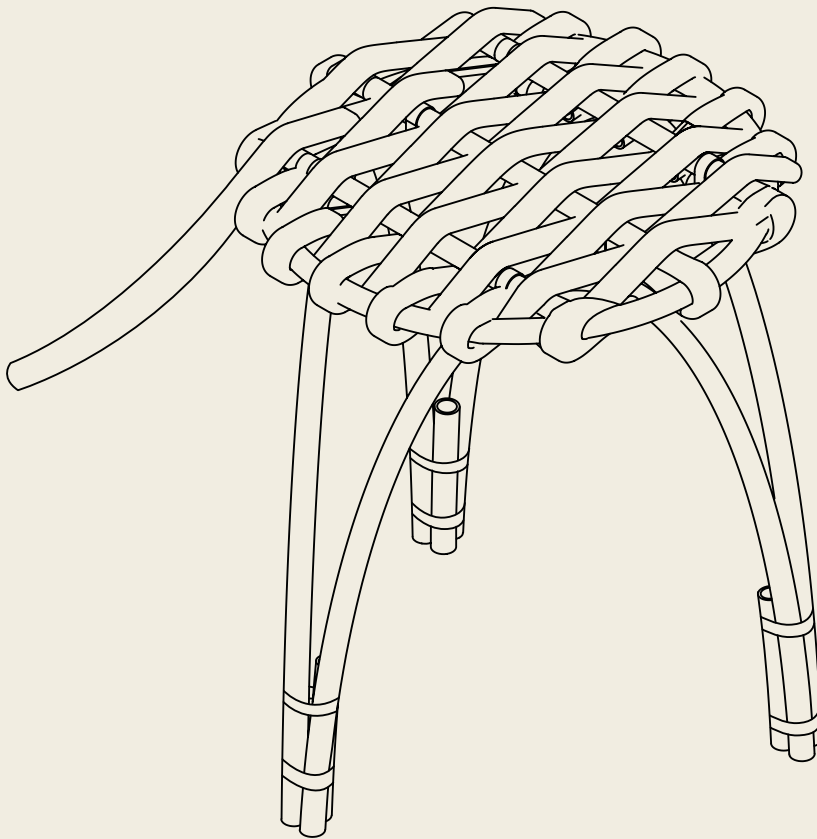
ATTACH TWO HOSE LAMPS AS SHOWN BELOW IN RED



## STEP 7

(G) FOR THE FINAL STEP YOU WILL NOTICE YOU HAVE A BIT OF EXCESS HOSE FROM THE SEAT BASE WEAVE. TO FINISH OFF THE STOOL JORDAN HAS LOOPED THIS EXCESS MATERIAL AND USED A HOSE CLAMP TO MAKE A HANDLE, BUT FEEL FREE TO FINISH THIS DETAIL HOW YOU LIKE!

ENJOY



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