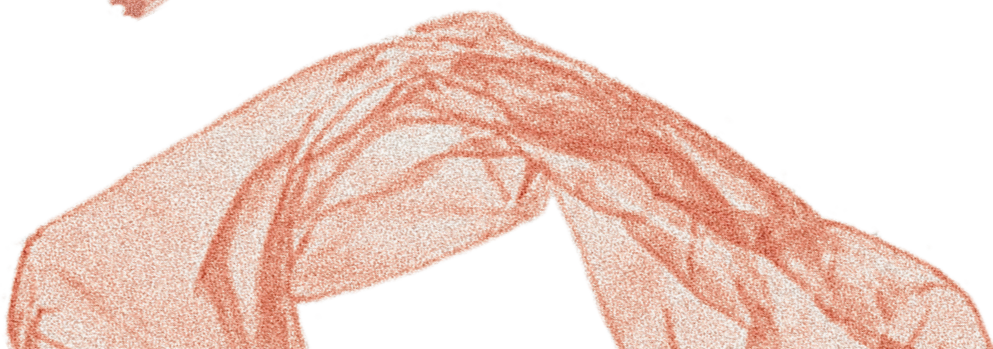


10

DIY BOX



BACKGROUND

Do it yourself! With this tool, you can make and design a tool-box based on the Education Box #2030. This collaborative project strengthens teamwork and shows you an alternative to buying a new, ready-made product.



YOU NEED:

- Plywood boards
- Wooden stick
- Hinges
- Wood glue
(you can also make your own)
- Sand paper
- Screws
- Cordless drill
- Wood drill bits
- Dowels
- Saw

For making your own glue:

- Corn starch
- Sugar
- Vinegar

It's easy to make your own wood glue using dextrin, a product created when starch is broken down. To make this, heat 4 tbsp. of corn starch in the oven at 180° C for about 20 minutes. Then mix the starch with 5 tbsp. of sugar and 5 tbsp. of vinegar and heat it in a water bath until it forms a gluelike mass.

TOOL DEVELOPERS

Anne Franke, Johanne Friedrich, Hannah Goetze

HOW DO YOU BUILD A WOODEN BOX?

1. CUT PLYWOOD BOARDS

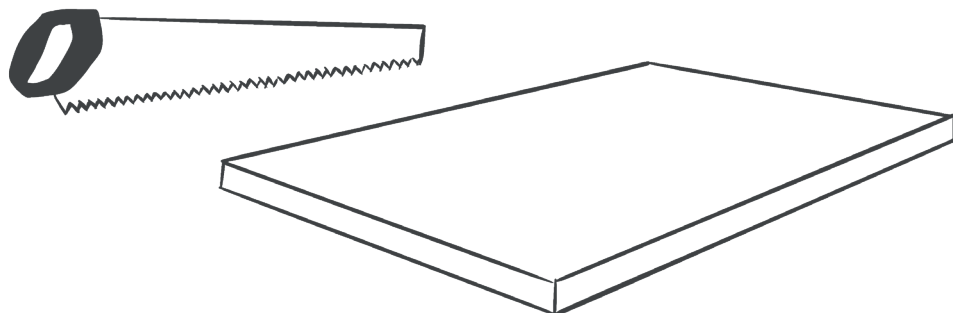
Box: 17 cm x 27 cm
13,5 cm x 36 cm
34 cm x 17 cm

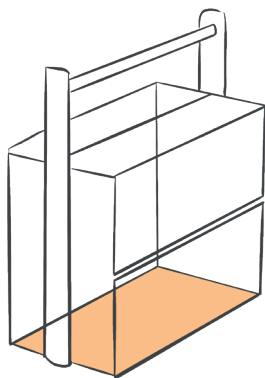
Dividing walls: 34 cm x 15 cm
34 cm x 27 cm

Lid: 8 cm x 36 cm
13,5 cm x 36 cm

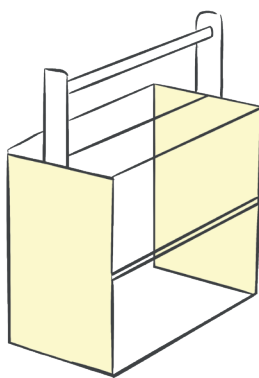
Handle: 40 cm x 4 cm
35 cm x 2,5 cm

Closure: 6,5 cm x 3 cm

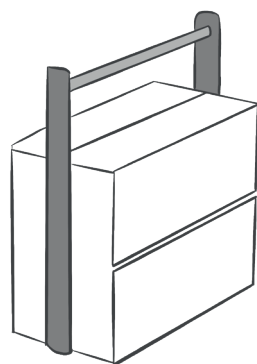




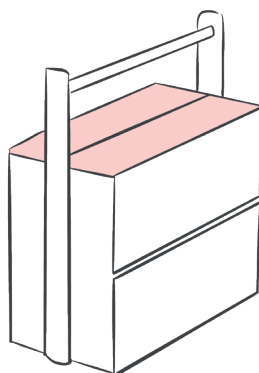
34 cm x 17 cm



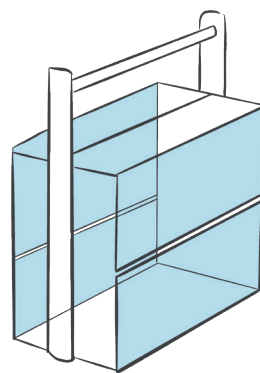
17 cm x 27 cm



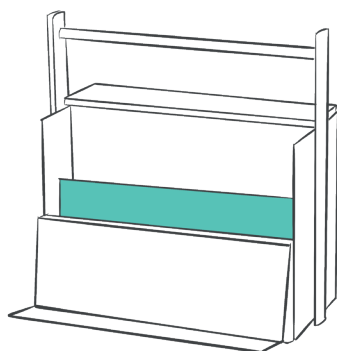
40 cm x 4 cm
35 cm x 2,5 cm



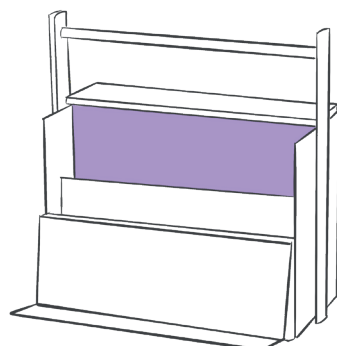
8 cm x 36 cm



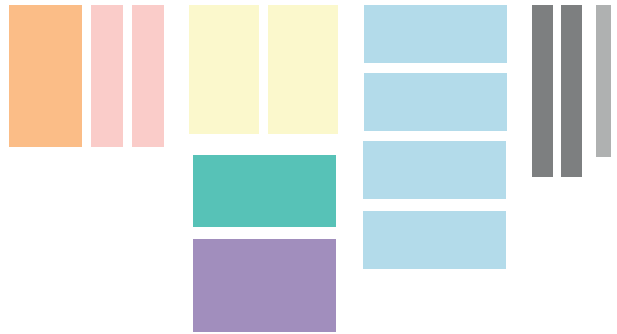
13,5 cm x 36 cm



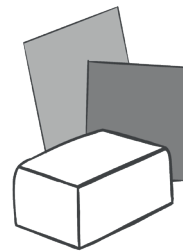
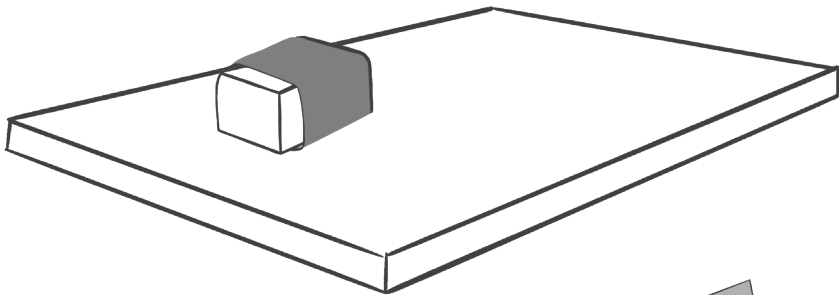
34 cm x 15 cm

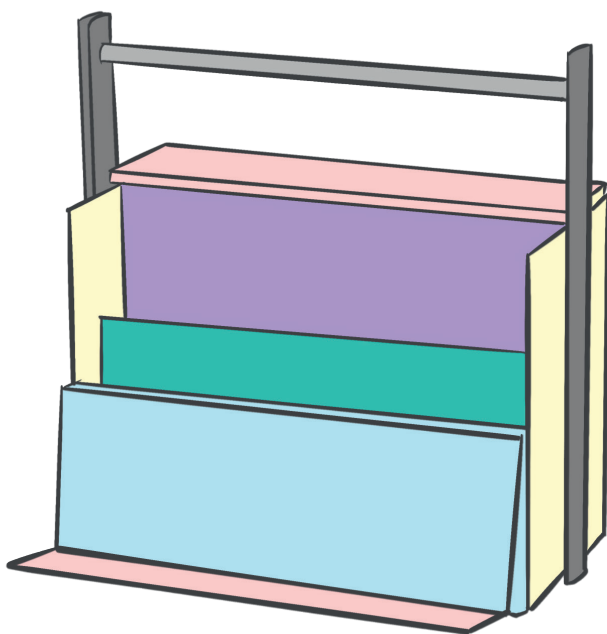
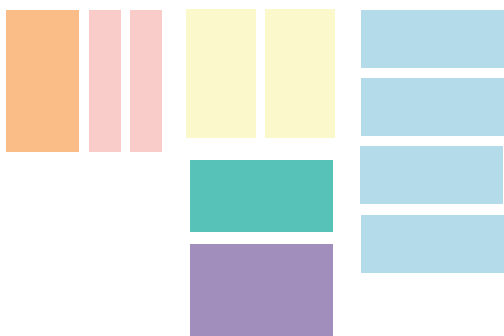


34 cm x 27 cm



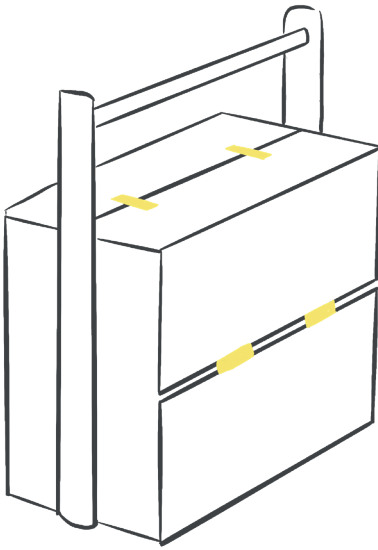
2. SAND WOODEN PARTS



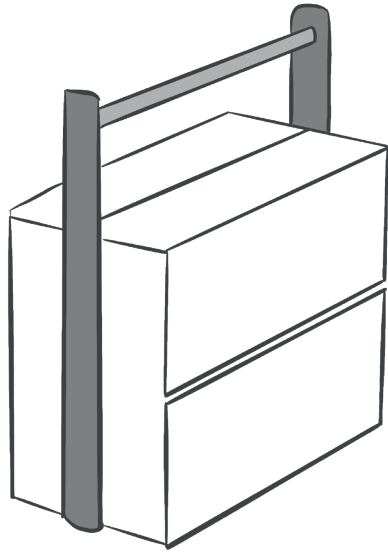


3. GLUE WOODEN PARTS

Important!
The glue takes a few hours to dry.



4. SCREW ON THE HINGES



5. GLUE ON THE HANDLE

6. DRILL 4 HOLES

6.1. GLUE 2 DOWELS INTO THE HOLES

6.2. ATTACH THE HINGES

Tip: The hinges can also be glued on.



DONE!

