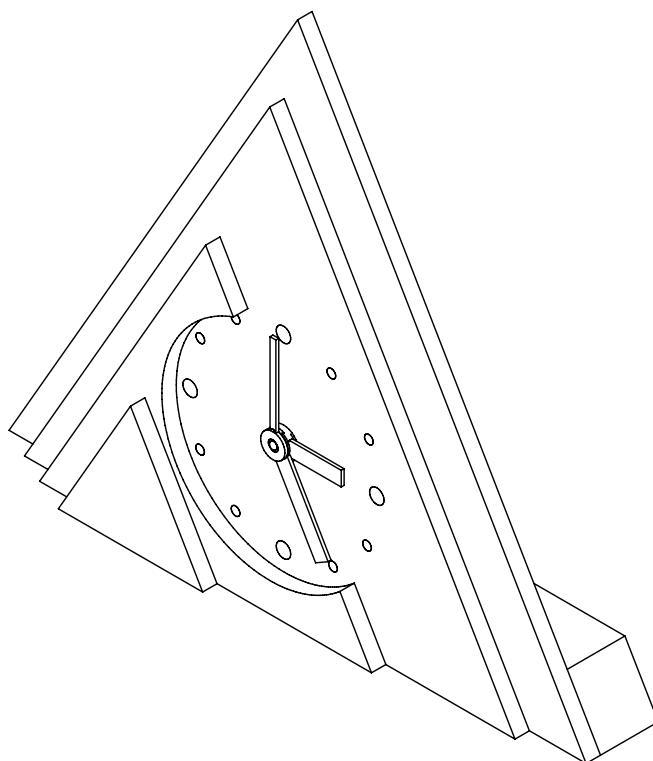


110.383

Wood-Design-Clock



Please Note

The OPITEC range of projects is not intended as play toys for young children. They are teaching aids for young people learning the skills of Craft, Design and Technology. These projects should only be undertaken and tested with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallowed. Danger of suffocation!

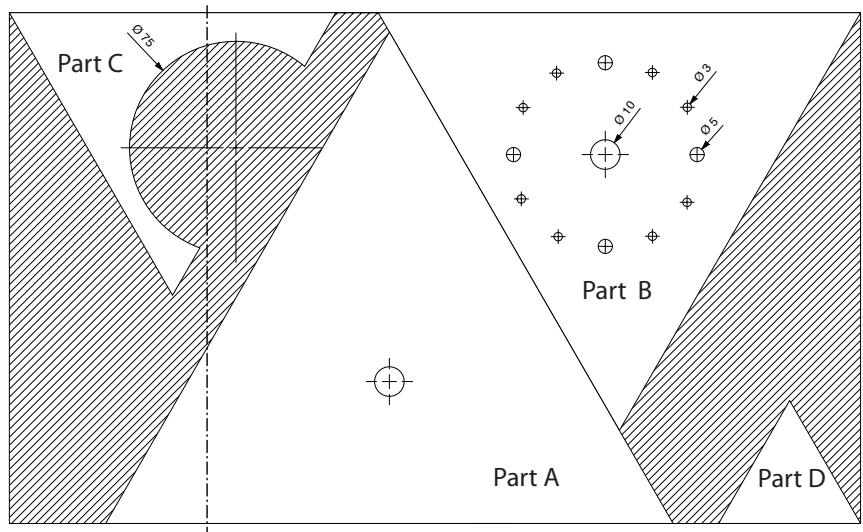
STÜCKLISTE				
Plywood	1	300 x 180 x 5	Wooden parts	1
Wooden strip	1	200x20x20	Stand	2
Quartz movement	1	12,5 mm	Clock movement	3
Second hand red	1			4
Hour hand	1	25 mm		5
Minute hand	1	35 mm		6

Necessary tools:

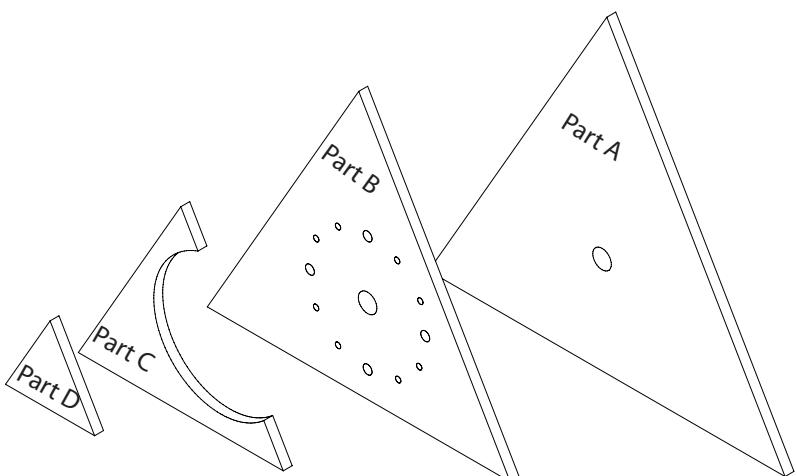
Fretsaw
File,sandpaper
Drill ø3/ ø5/ ø10 mm
Pencil
Ruler

INSTRUCTIONS

1. Cut the patterns (Page 3/5) and glue them together.
Transfer the four patterns on to the plywood sheet.



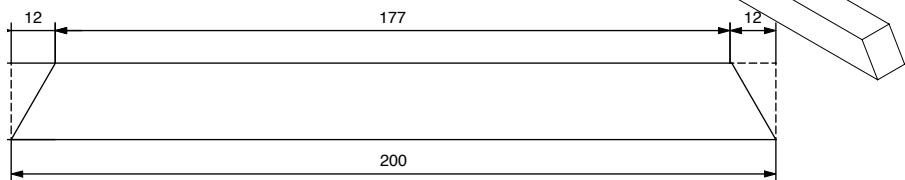
2. Saw out the parts with a fretsaw. Clean up the edges with a block and sandpaper/wood file.
Drill the ø 10 mm (Parts A+B) for the quartz movement. Also drill the holes ø 3 + 5 mm for the hours in part B.
See drilling pattern on page 5cs:Bold>



3. Angle the wooden strips (2) on both sides as shown

Note:

Angle fits part A

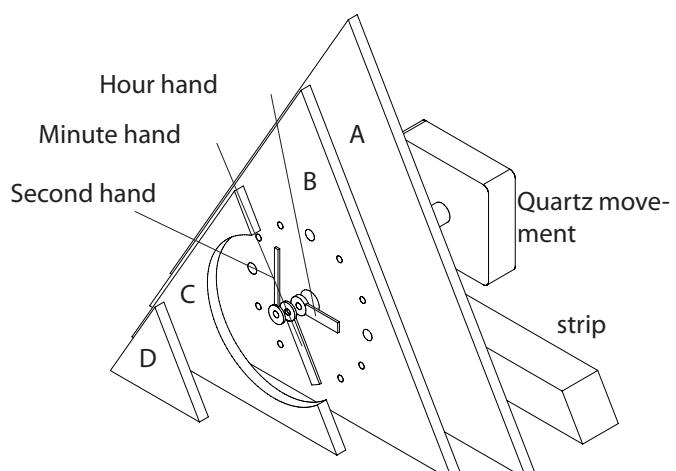


4. Glue the wooden strips on the plywood pieces (Page 7)

Leave to dry thoroughly!

Insert the quartz movement (3) through the rear of Part A (ø10 mm hole) Fix at the front with the nut.
First mount the hour hand (5), then the minute hand (6) on the quartz movement. Finally add the second hand (4) by cutting it to length and mount it on the movement.

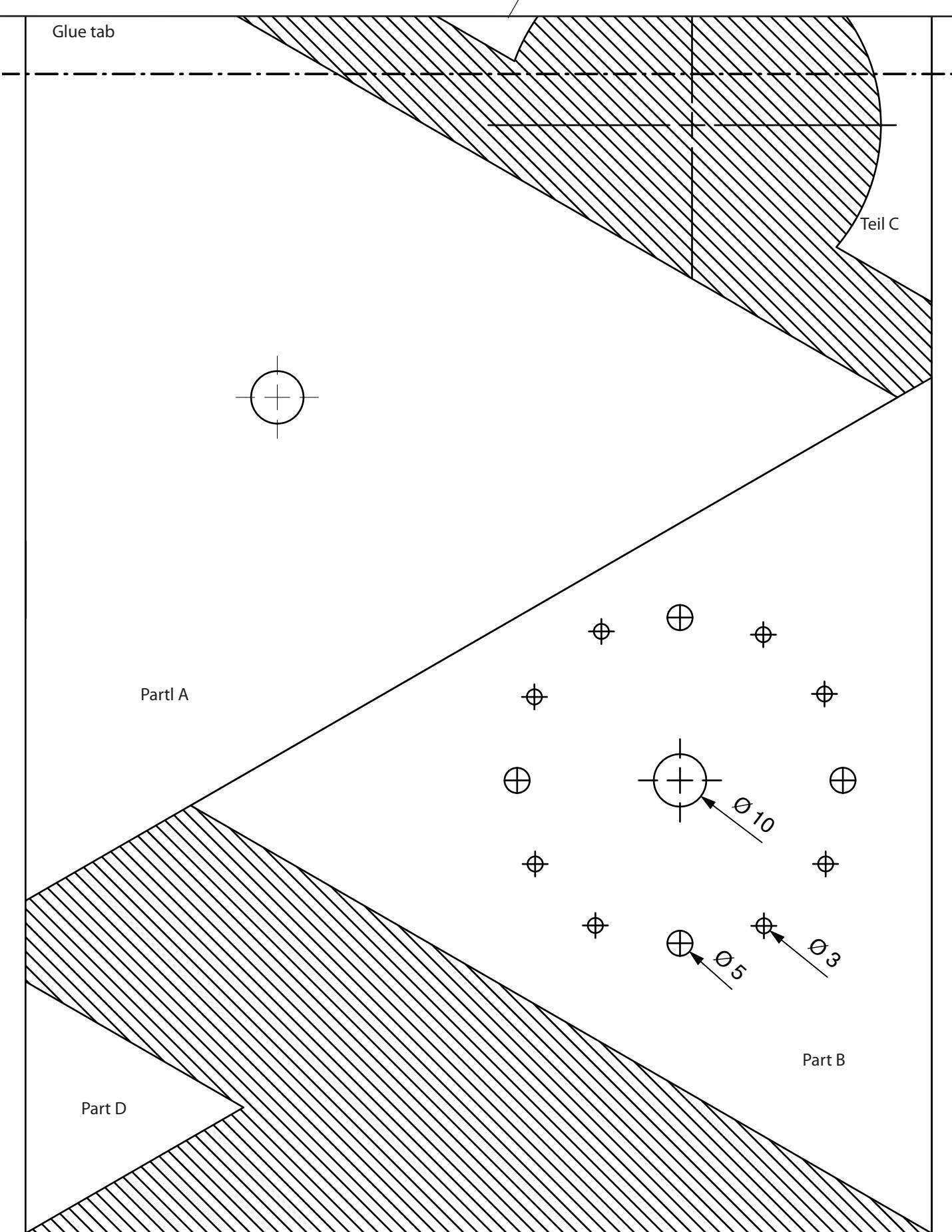
Now the battery can be added and the time set !



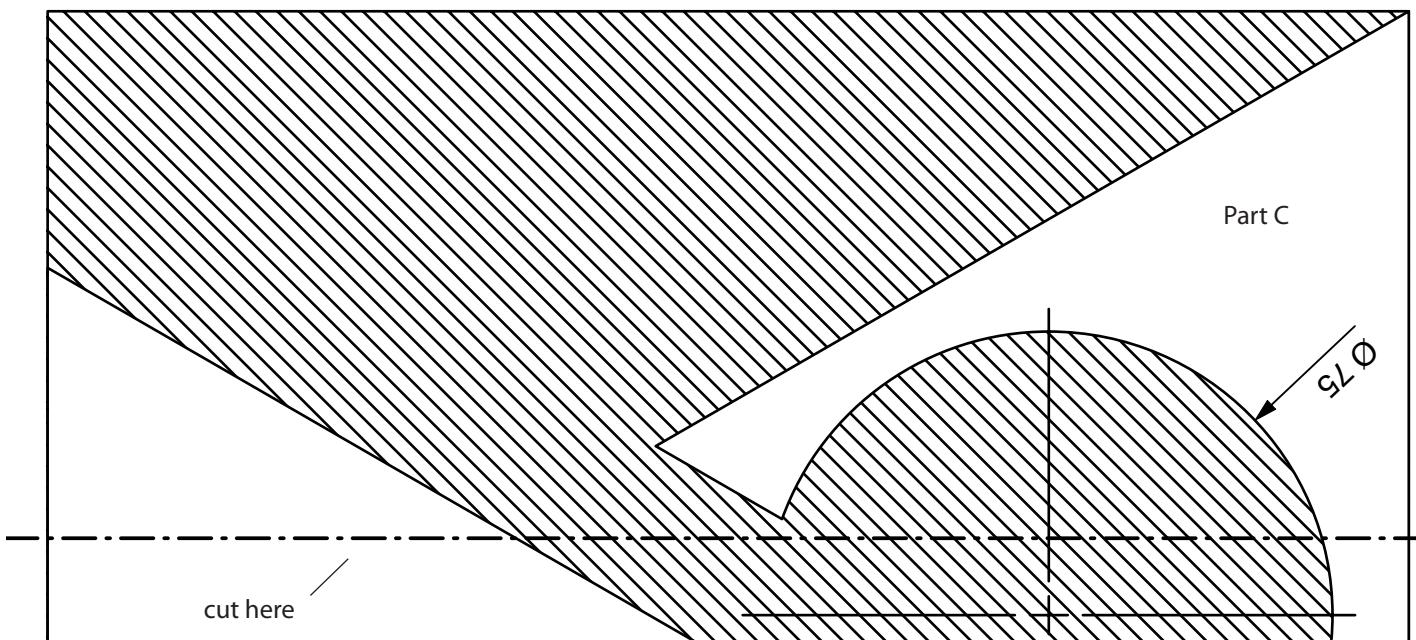
INSTRUCTIONS

Pattern for plywood

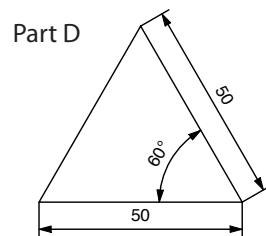
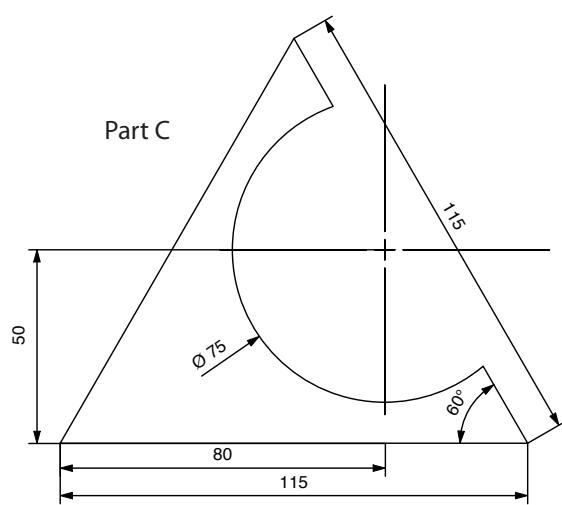
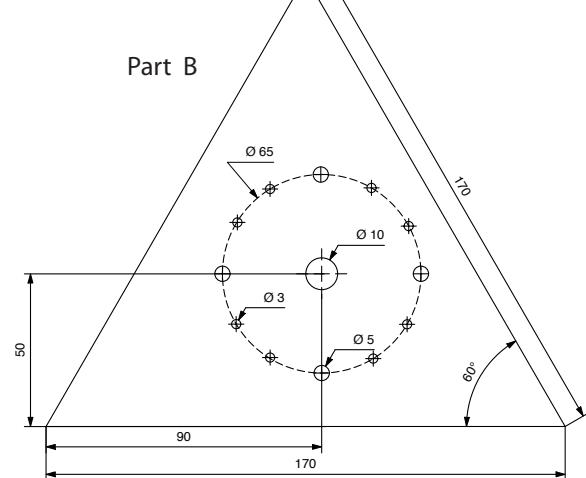
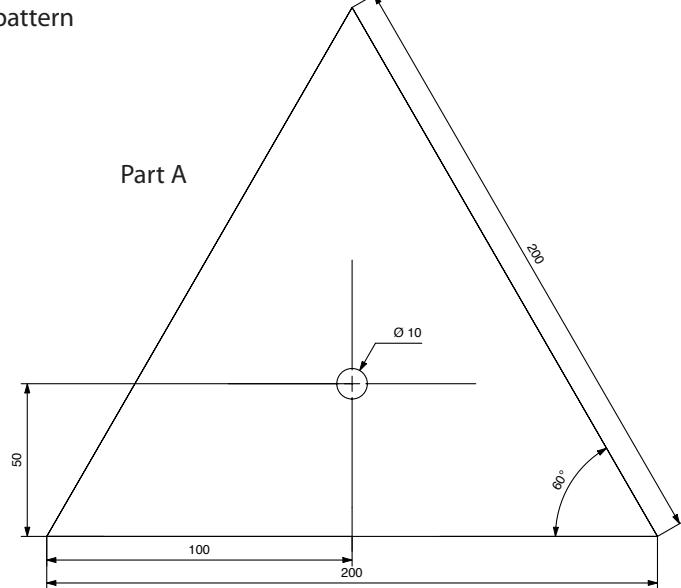
Scale 1:1



INSTRUCTIONS



Drilling pattern



Complete view

