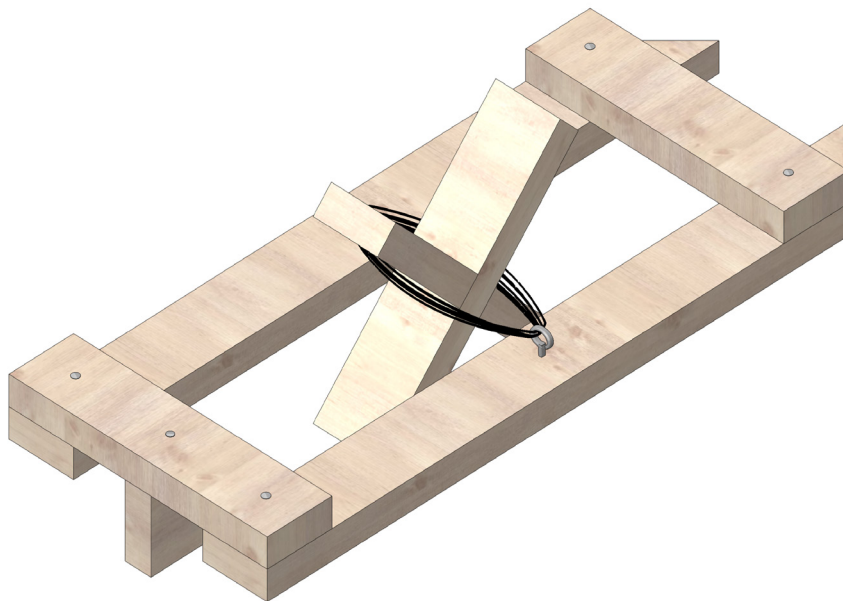
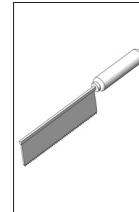


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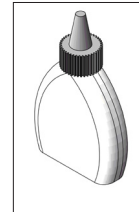
Boat with rubber motor



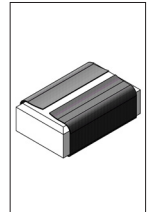
Required Tools:



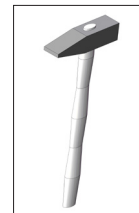
Dovetail saw



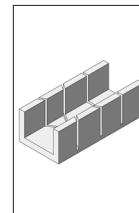
Wood glue



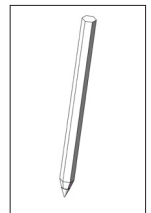
Sand paper



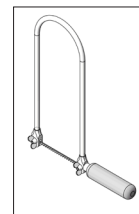
Hammer



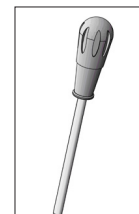
Mitre box



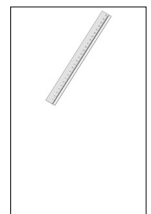
Pencil



Jig saw



Pricking awl



Ruler

Please Note:

The OPITEC range of projects is not intended as 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 operated 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!

Parts List	Quantity	Size (mm)	Description	Part No.
Wooden strips	2	250 x 25 x 10 mm	Hull	1
Wooden strips	4	100 x 25 x 10 mm	Cross connections	2
Wooden strips	1	25 x 25 x 10 mm	Helm	3
Nails	4	15 mm	Attachment	4
Nails	1	30 mm	Attachment	5
Screw hooks	2	20 mm	Support	6
Rubber band	5	Ø 90 mm	Drive	7

Instructions 103.015

LT-Boat with rubber motor

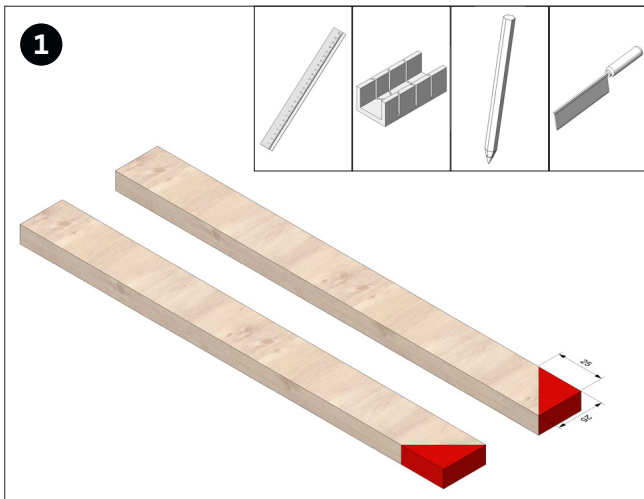
The watercraft theme is very popular with primary school pupils. With this theme, children acquire knowledge about different materials and their behaviour in the water. In addition, the construction of the boat makes it possible to approach the topic of construction solutions in a simple way.

The rubber motor as a drive can be used successfully for many other different tasks.

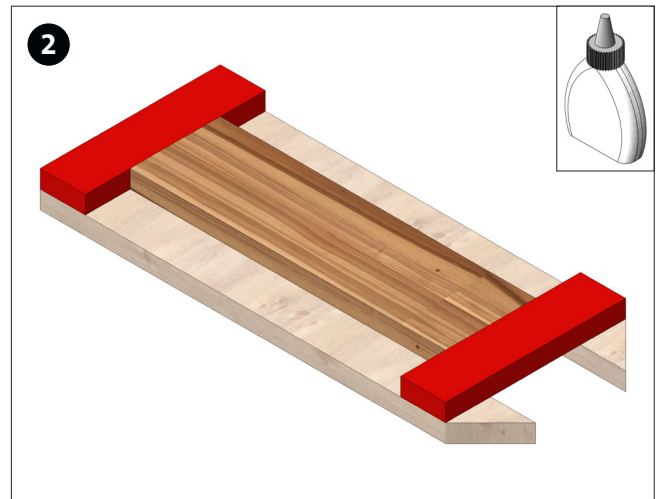
The educational use of this kit helps the development of creative ideas in primary school pupils by customising the basic shape of the boat.

The dimensions given in the description are only guidelines. The children are given the possibility to look for functional solutions according to their own ideas.

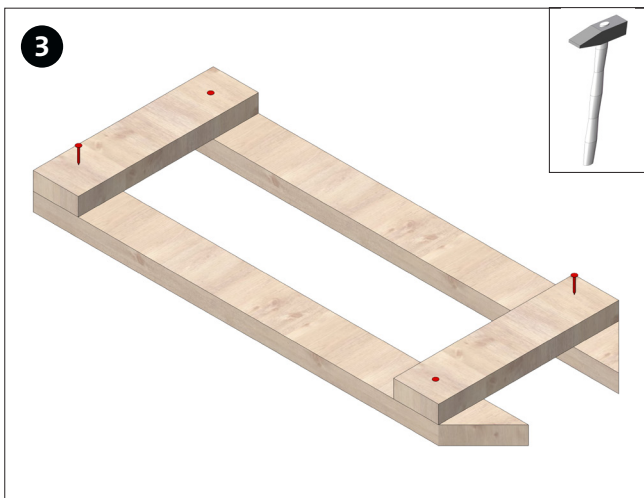
Experiments can be carried out with the rubber motor (e.g. the paddle wheel can be replaced by a simple wooden strip or you can use several rubber rings instead of one) or with changes of the given materials.



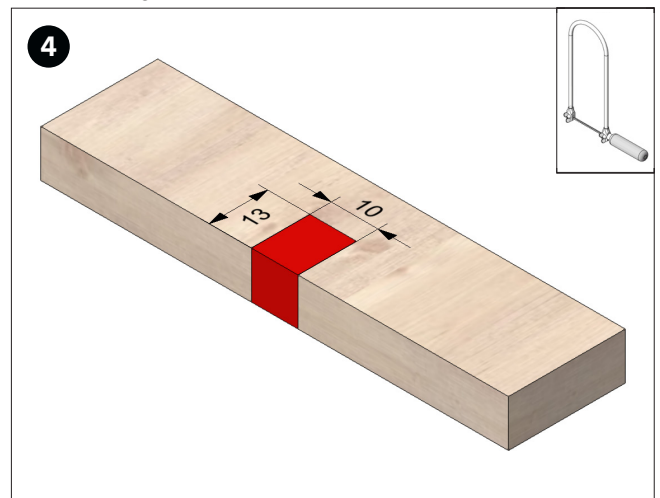
Cut the wooden strips (1) "streamlined" at one end, as shown.



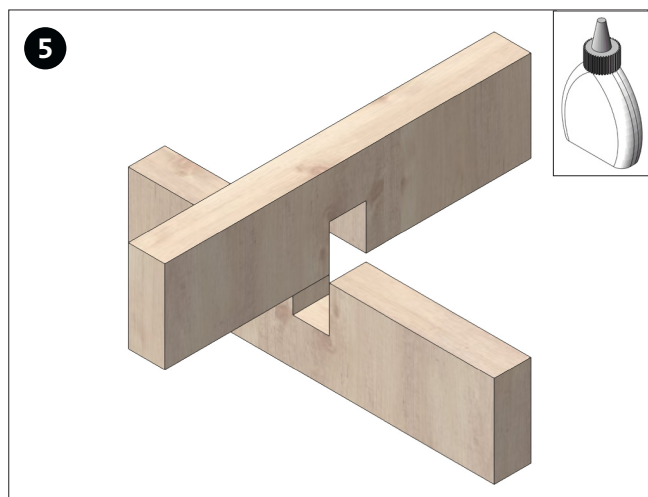
Glue the wooden strips (2) to the two wooden strips (1) at right angles as shown. **Note:** as a guide for the right angle, you can use a piece of wood of the right size.



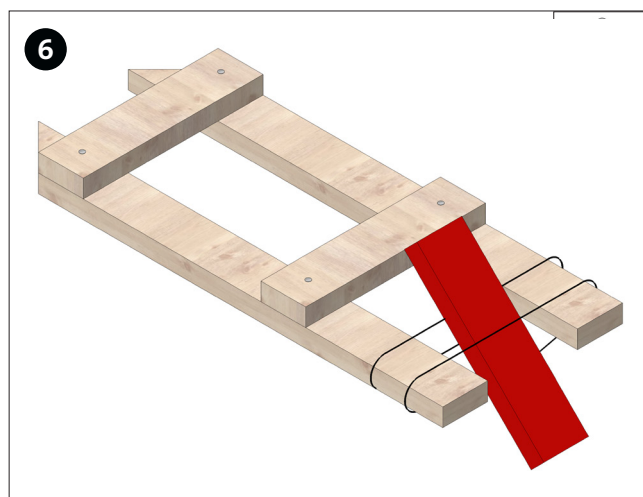
Fix the cross connections (2) also with nails (4).



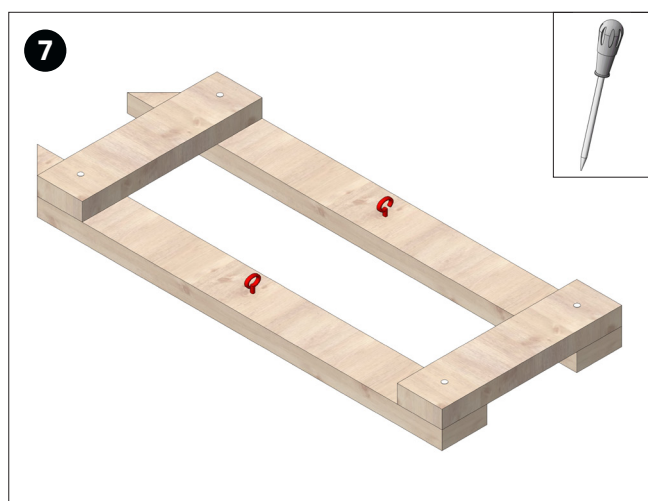
Saw a recess in the middle of two wooden strips (2) as shown.



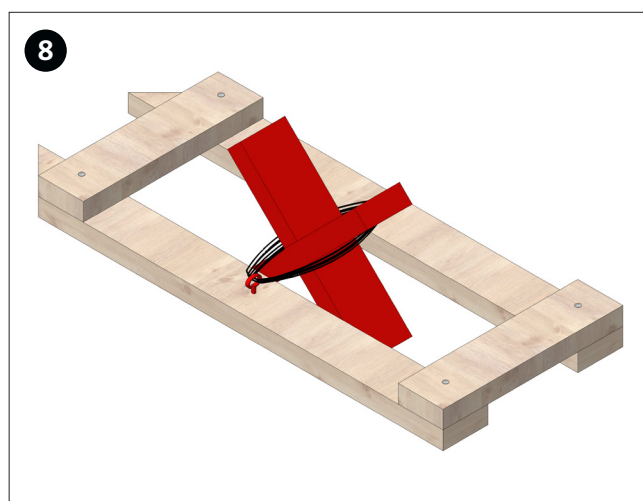
Put the wooden strips together crosswise and glue them.



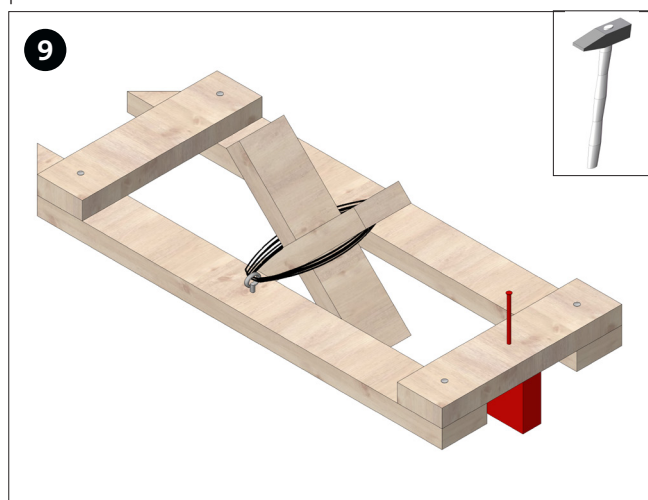
Note: The boat sails also without the paddle wheel. You can use only one wooden strip (2) and hang it in the rubber ring.



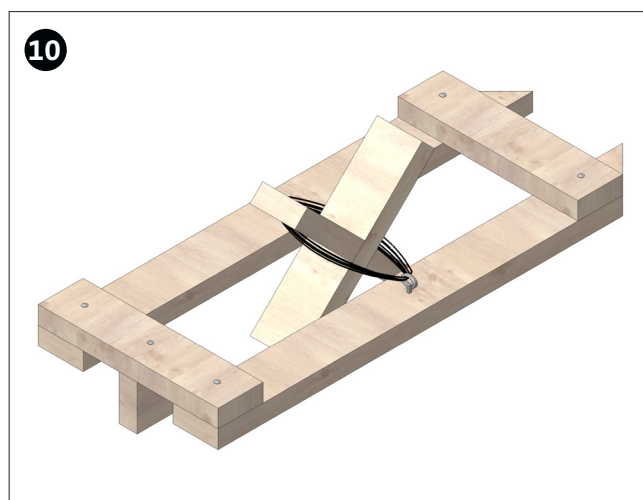
Use a pricking awl to mark the centre points for the screws hooks (6) on the wooden strips (1) on each side. Then attach the hooks to these points.



Use the rubber ring (7) doubled or tripled and pulled over the hull. Fasten it to the screw hook (6).



Attach the wooden strip (3) in the centre of the rear wooden strip (2) with the nail (5).



The finished boat can be decorated as desired. Done!