OPITEC

Hobbyfix

206.794

Functional model Solar-Windmill

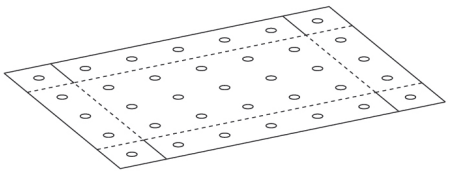
Necessary tools:
Scissors
Craft knife
Hole maker
Steel ruler
Glue
Sellotape

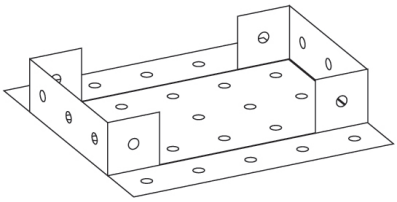
Please Note
The OPITEC range of projects is not intended as play toys for young children.They are teaching aids for young people learning the skills of Craft, Design and Technolo- gy.These projects should only be undertaken and tested with the guidance of a fully qualified adult.
The finished projects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

Parts list				
<cs:Bold> </cs:Bold>		**Size (mm)**	**Description**	
Base	1	125x175 (5x7 Loch)	Stand	1
Strips	1	75x250 (3x10 Loch)	Holder	2
Solar cell	1	0,5V - 400 MA	Energy school	3
Solar motor	1	FF 130 SH	Drive	4
Propeller	1	1-tlg	Wind drive	5
Wire	1	500	Connection	6

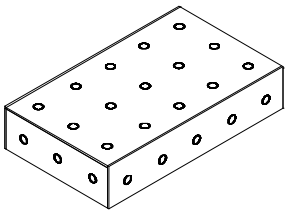
INSTRUCTIONS

Step 1
As shown on the end of the base (line) cut along the lines with a craft knife and then fold the ends.





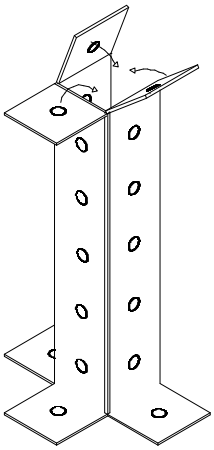
Step 2
Fold the ends and sides and glue them together.

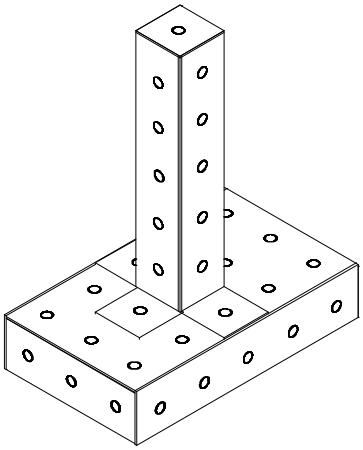


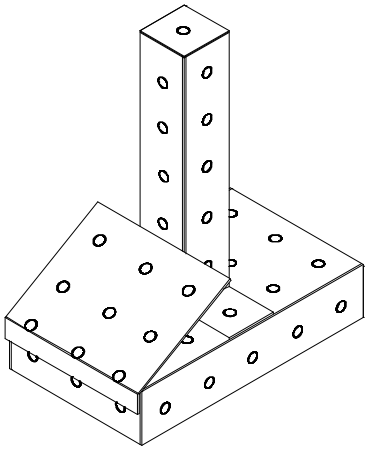
Step3
Cut 3 holed pieces (2) to 7 holes long and fold as shown. Asemble the 3 pieces and glue them together.
Hinweis:
Do not throw the remainder away it will be needed in step 5

Step 4
Mount the holder from step 3 on the base. Glue in the middle (Step 2).

Step 5
Use the remaining holed strip from step 3 to hold the solar cell.







Step 6
Use sellotahetohold the motor in the holder. The solar cell cell should be mounted as shown in step 5 Mark out the connections from the cell.
Make holes with punch and insertthe thread- finally add the nut

Step 7
Mount the propeller on the motor axle.
Cut 2 pieces of cable ca. 210 mm. Remove insulation from the ends of the wires. Connect the solar cell to the motor. (Wind the ends of the cable around the tags)
Ready!