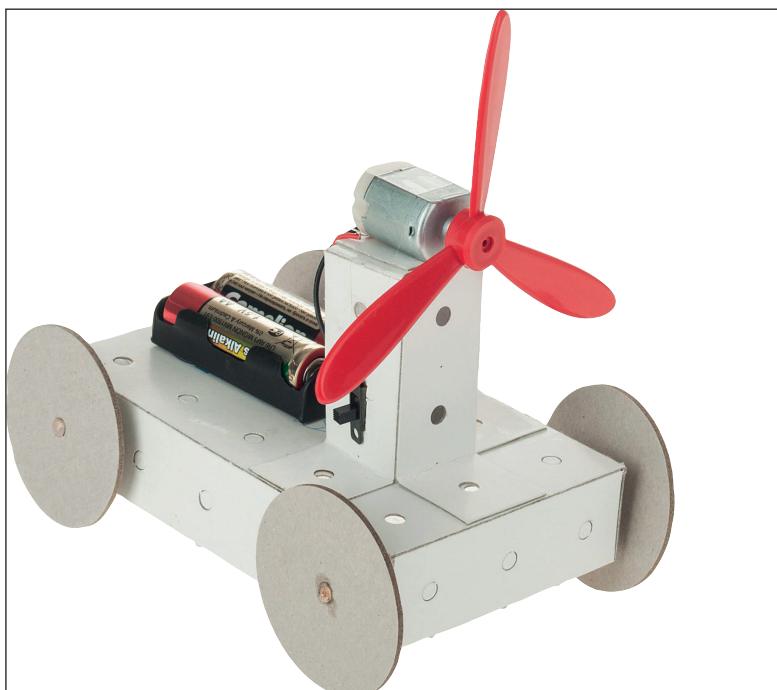


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## Air driven Vehicle



### Necessary tools:

pencil and ruler  
scissors  
paper glue (hot glue gun)  
sellotape

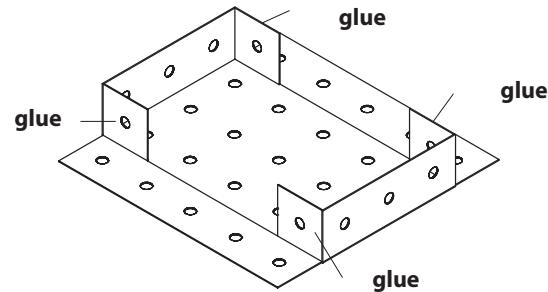
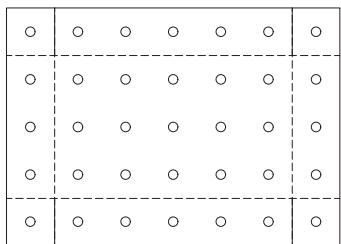
### Please Note

The OPITEC range of projects is not primarily intended as toys for young children. It is for teaching, designing and making and to ensure that pupils experience a range of tools and processes. This kit should only be built under the guidance and supervision of competent adults. Not suitable for children under 36 months. Risk of suffocation!

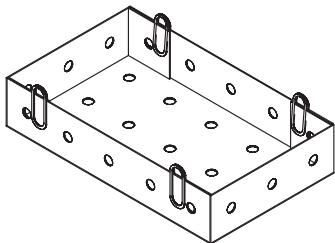
Parts List	Quantity	Size ( mm)	Description	Part no.
Base	1	125x175 (5x7 Loch)	chassis	1
Strips	1	75x250 (3x10 Loch)	holder	2
Wheels	4	Ø 40	wheels	3
Dowel	2	Ø 5 x 100	axis	4
Propellor	1	1-tlg.	propellor	5
Motor	1	R 20	engine	6
Battery holder	1	UM 3	battery holder	7
Battery clip	1		switcher	8

**Step 1:**

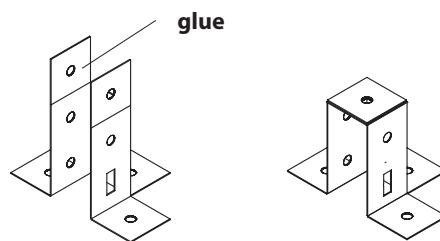
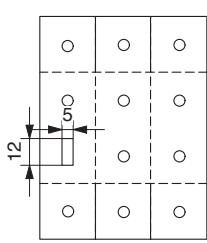
Cut the base plate along the lines 4 times. Start from the longer sides and only do a one hole-length cut. Mark the dashed lines softly with a knife and then fold the ends in.

**Step 2:**

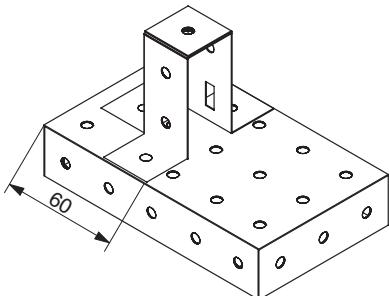
Spread the folded corners with glue and flap the side parts upwards. Hold them in place with paper clips until dry.

**Step 3:**

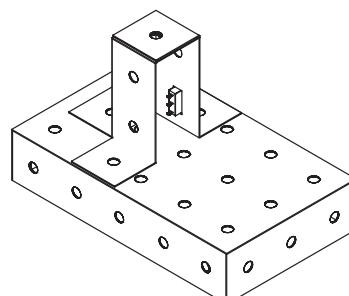
Cut the added strips so that they have 4 holes length. Plot a rectangle 12x5 for the switch as shown, then cut it out with a scissor (knife). After that hold the strips vertically, so that the rectangle is on the left side. Cut vertically along the lines until the small point and cut out the developing middle part. Last fold as shown and glue together.

**Step 4:**

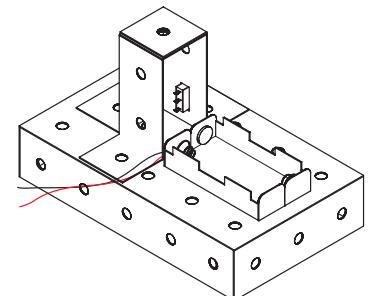
Glue the part made in step 3 on the prepared base.

**Step 5:**

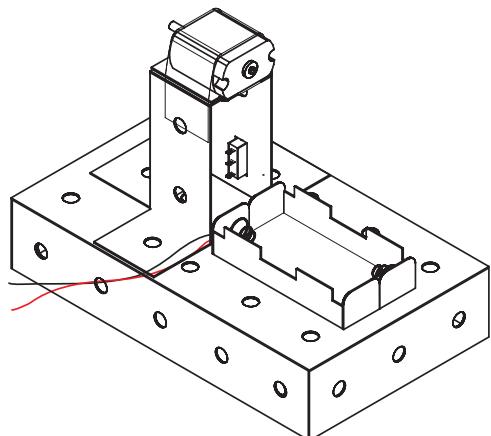
Glue the switcher in the 12x5mm rectangle opening.

**Step 6:**

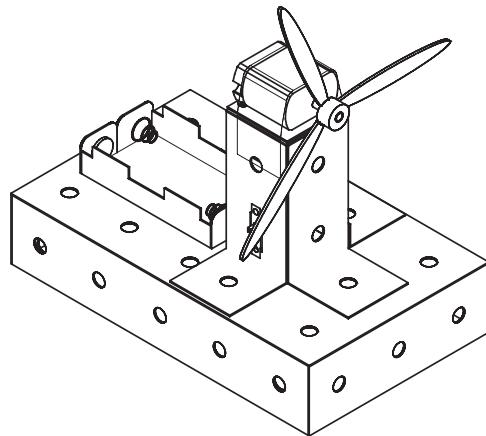
Connect the battery holder with the base.

**Step 7:**

Just lay the engine on top of the vehicle.

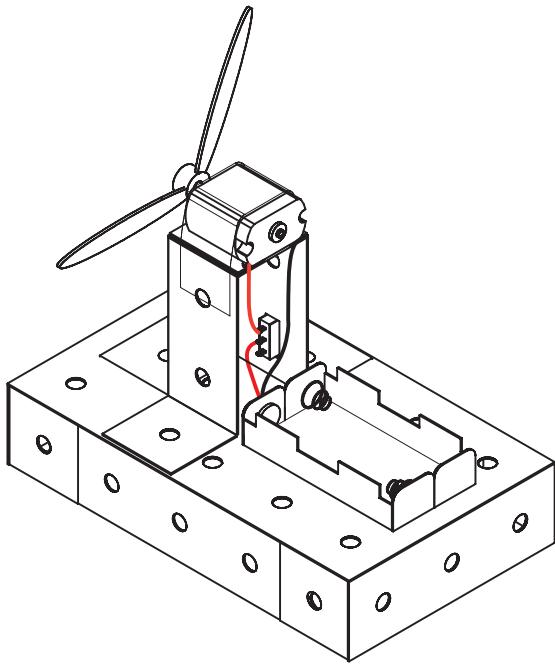
**Step 8:**

Mount the propeller on the motor shaft.



**Step 10:**

Connect the black wire of the battery holder with the connection of the motor, which is marked with a dot. Cut the red wire to approx. 30mm and noninsulate it with your scissor. Now connect it with the middle part of the switcher, really use the middle one otherwise it doesn't work. After that noninsulate the cutted part of the red wire and connect one end with the upper connection of the switcher and the other end with the motor. Last but not least glue the engine on top of the vehicle. The connection should show to the battery holder.

**Step 11:**

Put the 2 dowels through the holes of the base as shown. Fix one wheel at each end of the dowels with glue. Between wheels and base must be space approx. 5 mm, so that they are movable. Done!

When switch on the motor the vehicle should drive forwards, if not swap the connections on the motor over!

