

# BUILD YOUR OWN MINI WIND TURBINE



*Photograph: Nina Zimmermann*

**STEP 1:** Cut out all the templates and fold along the dotted lines.

**STEP 2:** Take the 'E' shaped base and with a black felt-tip pen draw on the six edges of the shape. This will provide some definition.



**STEP 3:** Take a earbud and cut off the two ends. You can also use a thin stick.

**STEP 4:** Use this earbud or stick, and use it to roll the base, gluing the three flaps of the pole base shape.

**STEP 5:** Find a stone and use strong glue to stick the earbud onto it, you will use this to support your wind turbine.

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**STEP 6:** Move onto the three blades. Fold them in half, apply glue on the flaps and stick down.

**STEP 7:** With a red pen, draw a dot on the edge of the blades. This will look like the lights on the edge of wind turbines.



**STEP 8:** Take the circular piece of the base and fold it into a dome shape then glue it into place.



**STEP 9:** Glue the three blades onto the inside of the dome, make sure that the blades all face the same way.

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**STEP 10:** Time to build your wind turbine's engine. This fits behind the blades. Glue the panels to create the box shape.



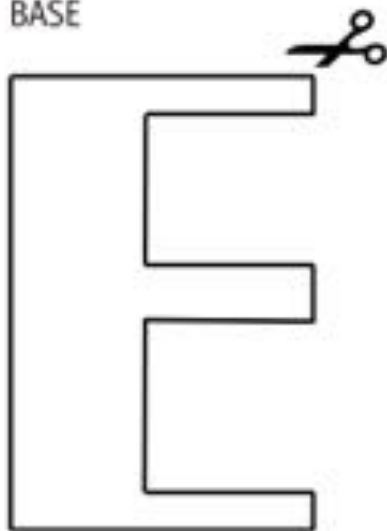
**STEP 11:** Take the blades that are now glued to the dome shape and apply glue to the flap. This flap goes down the center of the wind turbine's pole and sticks to the edge. I use a hair clip or something similar to make sure the flap is securely stuck down. If your blade flap doesn't fit in your rolled up pole, then cut the flap thinner.

**STEP 12:** Do the same with the box, apply glue to the flap and also to the edge of the box to stick it to the back of the dome.

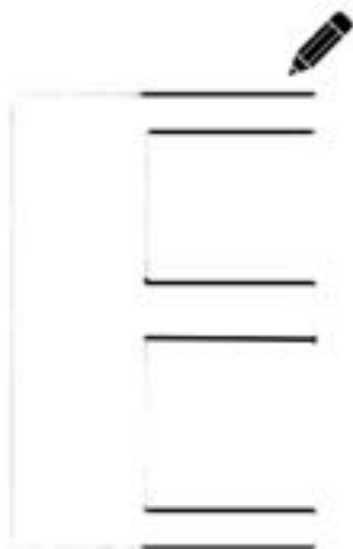


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BASE



*Cut out the shape above.*



*With a black marker draw on the edges of the three sides to add definition.*

BLADES



*Cut out the shapes above and fold along the dotted lines.*

BASE FOR BLADES



*Cut out the shapes above and fold along the dotted lines*