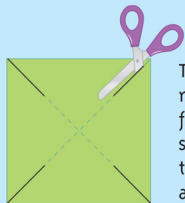
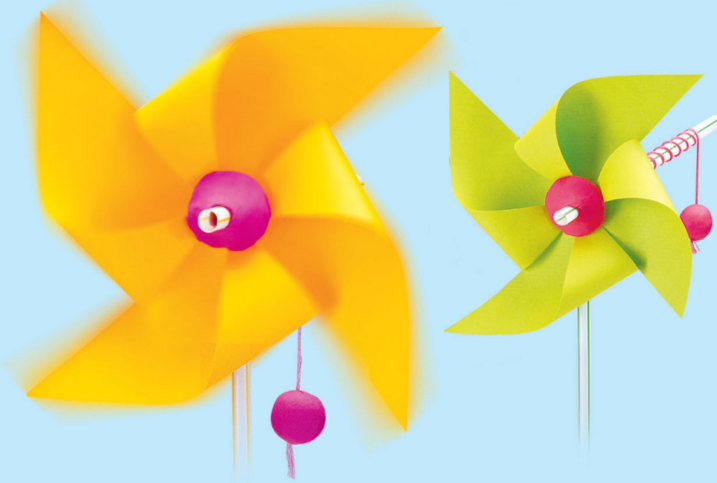
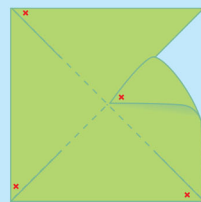


Wind power

Explore how wind power can provide energy in this experiment.



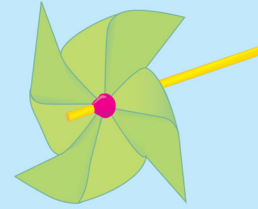
To find the middle point, fold your square in half, then in half again.



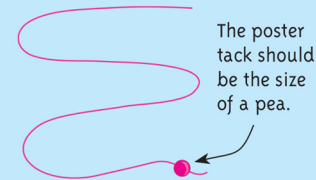
1. Cut out a square of bright paper, 10 x 10cm (4 x 4in). Cut halfway down from each corner to the middle, like this.

2. Fold the corners marked x to the middle and glue them down. The folds should curve and not lie flat.

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3. Make a hole in the middle with a pencil and push a straw through. Secure it in position with poster tack.



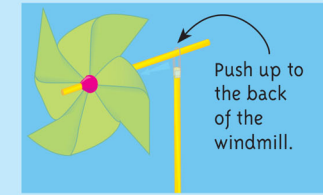
The poster tack should be the size of a pea.

5. Cut a piece of cotton thread about the length of two straws. Stick a small lump of poster tack to one end.

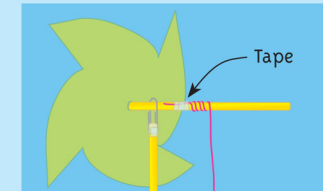


7. Hold the other straw and blow to the side of the windmill. It will spin around, making the thread roll up.

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4. Now tape a paperclip to a second straw, like this. Then push the windmill straw through the paperclip.



6. Tape the thread to the windmill straw. Wind the thread around it, leaving some hanging down.

What's going on?

Your breath acts like wind and turns the windmill. This provides energy to pull up your small load of poster tack. Wind farms use much bigger windmills in the same way. The windmills turn machines and supply energy to generators to make electricity.