

# Make a pin-wheel



## Overview

**Duration** - 1 hour

This activity is a fun way to demonstrate the power of renewable energy. Snowy Hydro has invested in contracted wind and solar to grow our clean energy business portfolio.

Building this pin wheel is a fun 'hands-on' way to learn about renewables, such as wind and how, just like water, it has the strength to turn the turbine blades to generate power.

## Materials

Three different pin wheel templates - supplied

Recycled paper - (*weight of computer paper*)

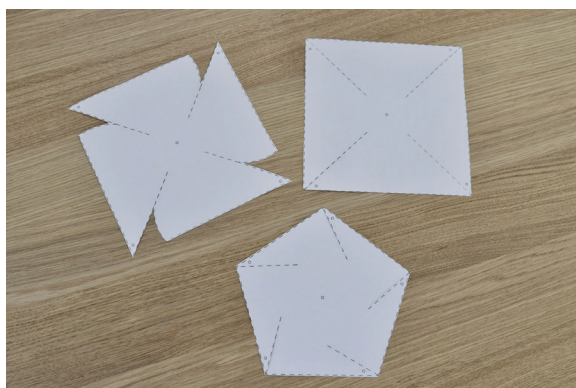
Three paper straws

Three berry pins

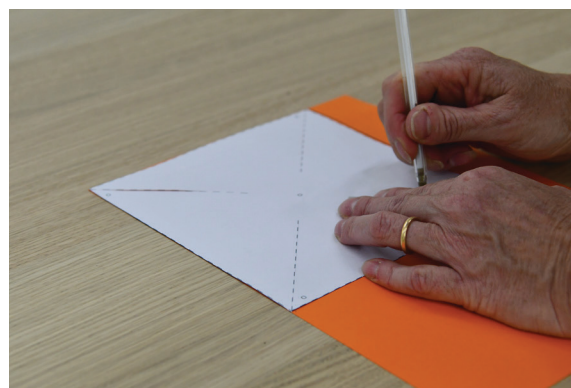
Pen, pencil or texta



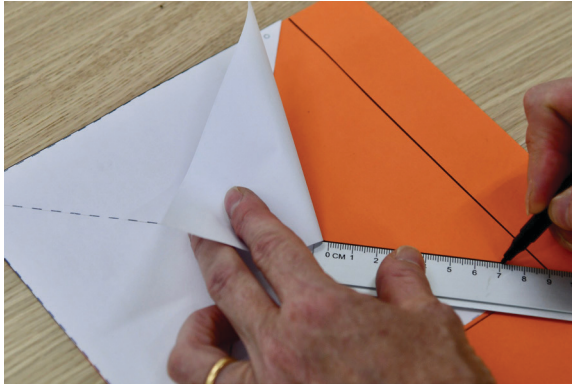
## Method



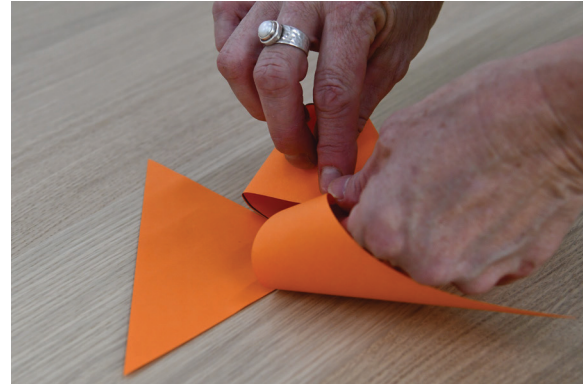
1. Use the three different templates supplied on paper. Cut along all dotted lines



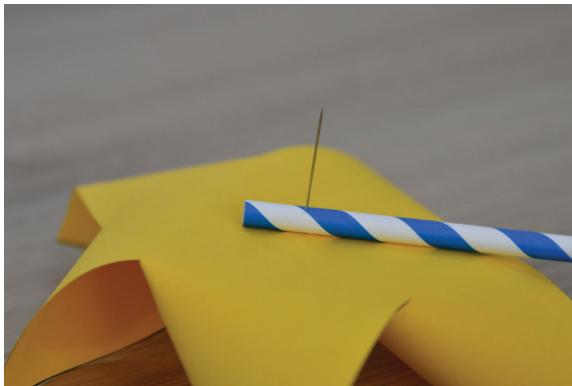
2. Place template onto the recycled paper of choice and trace around the edge



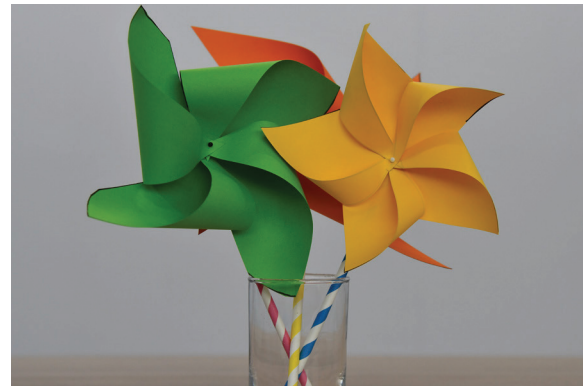
3. Lift each internal edge and draw a line following the pattern. Cut out your pin wheel following pen marks you have made



4. Carefully bring the corners together of the pin wheel to the centre. Do not fold the paper in harsh lines, let the paper round inwards



5. Push the pin through all the dots in the centre, piercing through to the other side, followed by the paper straw positioned at the back of the pin wheel centre



6. Bend the point of the pin down to a 90 degree angle to secure in place

Blow onto your pin wheel and watch it turn. Try blowing from the side or front on, which way works best? How about taking it outside and turning it into the wind, watch your pin wheel turn harnessing the power of wind -renewable energy

## Hint

Be careful not to make it too tight to prevent from spinning

Print the template on coloured paper and simply cut out the shape