

# Toilet Roll Turbines



## What you'll need:

- Toilet rolls/kitchen roll tubes
- White paper
- Any other bits and pieces of (clean) recycling that you can find e.g. cardboard, plastic bottles
- Sellotape or glue
- Scissors
- Yellow and white poster paint (optional)



## Method:

*There aren't any rules with this, you can be as creative as you like!*

If you need some inspiration, here are some ideas to help you along the way...

### **Turbine Tower -**

- Create your turbine's 'tower' by sellotaping your toilet/kitchen roll tubes together, as tall as you like!

...if you don't have sellotape or want a plastic-free method you could fit the tubes together using notches cut into the tube instead.



- You could paint your tower white, like Rampion's wind turbines or wrap some white paper around the tubes and stick it down with glue...or you could make a multi-coloured tower of your own design.

### **Turbine Blades -**

- Next step is to create your blades. You can cut these out of some cardboard and you'll need 3 of them. To get the shape right, have a look at this picture of our turbine blades...can you draw the shape onto your cardboard and cut around it carefully? See how the blades taper down at the end.



## Attaching your blades to the tower -

There are lots of ways you can attach your blades to the tower...

- Use a drawing pin (and maybe a bit of blue tack to hold the drawing pin at the back.)
- Glue or sellotape the blades to your tower
- Use a butterfly pin to attach the blades



You could also go a step further and create a hub and nacelle at the top of the tower and a yellow transition piece at the bottom, just like a real turbine. We will leave the creativity up to you...Good Luck!

Here are some examples that we have been sent in... maybe you'd like to use one as inspiration for yours?

