



Plate Design Challenge with The Museum of Royal Worcester

For 250 years, Worcester factories made beautiful china for people's homes. They made everything you can think of that *could* be made from porcelain, including *umbrella stands, cups and saucers, vases and plates* (lots and lots of plates!). It was a designer's job to choose how the plates looked, and they had lots of **inspiration** from books and beautiful pictures held in the factory's **design library**.

To make your plate...

You will need:

- Sheet of plain paper
- Dinner plate
- Pen or pencil
- Pair of scissors (*and maybe a grown-up*)
- Set of colouring pens or pencils
- Some **IMAGINATION!**

First you'll need a circle of paper

Place a plate upside-down on a piece of paper and draw around it with a pen or pencil. Safely cut this out. You could ask a grown-up to help.

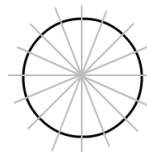


When you've made your design and are happy with it, we'd love to see it! Send it to us at info@museumofroyalworcester.org, or post it to our Facebook page [facebook.com/TheMoRW](https://www.facebook.com/TheMoRW).

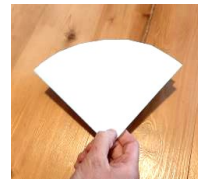
...with a repeating pattern:

A circle has an infinite number of lines of symmetry. You can draw an endless number of lines through its centre and each half will always be the same.

If you want to use a circle's symmetry, you can design a repeating pattern. Your plate won't have a 'right-way-up', and you only have to design a quarter of your plate!



To design a repeating pattern, fold your circle of paper into a semi-circle, and then fold it in half again.



To see your finished design as a whole plate, use two mirrors to see what it looks like, or, ask a grown-up to arrange four copies of your 'piece of pie' into a circle on their camera phone. Magic!



...with a single pattern:

If you like the idea of designing a single pattern for the whole plate, that's great too!

This type of plate will probably have a right-way-up, and you can literally draw anything you want to.

Simply take your circle of paper, your colouring pencils and all your imagination, and draw some of your favourite things (you might want to use the following page for inspiration).

Have fun!



