



From analysing and developing flight paths to design of spacecraft and aerodynamics – it all adds up to the maths you can deliver.

For more information about the More Maths Grads project or for general enquiries please visit:  
*[www.moremathsgrads.org.uk](http://www.moremathsgrads.org.uk) and [www.mathscareers.org.uk](http://www.mathscareers.org.uk)*



# WHEN WILL I EVER NEED MATHS?

Well, you might have to use it in Art...

- Use **transformations** and **symmetry** when creating a wallpaper design or printmaking.
- Use a pair of **compasses** to draw a **circle** and to **divide** it into six when creating a mandala.
- **Measure** lengths accurately when dividing up space or building a model.
- Understand **ratio** when mixing colours together to produce a new shade.
- Be able to draw **lines** accurately and use them to create the illusion of perspective.
- Understand **scale** and **enlargement** when creating a copy of a design.
- Use your knowledge of **nets** to create boxes and containers.
- Use **tessellations** to fill a space with a repeating pattern.

**Maths has lots of applications and is a vital asset in many degrees and careers.**  
**To find out more about where maths is used and maths-related careers visit:**  
**[www.mathscareers.org.uk](http://www.mathscareers.org.uk)**

