



# Junk Modelling

This is a practical, hands on workshop where students can imagine, design and create a model of an aircraft using recyclable materials. Students can understand and learn new skills around designing and making.

**Suitable for** All ages

**Curriculum links** All Key Stages - Design and Technology

## Resources

- Paper, pencils for drawing
  - Paint, crayons, felt tips etc for decorating your model
  - Recycling resources: tubes from toilet rolls, foil, plastic bottles, cardboard boxes, newspapers, bottle tops and packaging could be useful
  - Scissors (always use with adult supervision)
  - Fixing resources, such as sticky tape, PVA glue, glue sticks etc.
- If these resources are not available, think about ways of attaching different materials to one another with different folds, flaps or cuts.

## Instructions

Begin with researching your aircraft. For inspiration, why not do some research on our website? Visit [rafmuseum.org](http://rafmuseum.org)

You could even have a go at building an aircraft of your own design!

## Planning your build

- You need to consider the different parts of an aircraft for your build. There is the nose, cockpit, fuselage, wings and tail. You may choose to include the engines and even an open undercarriage with wheels.
- Have a look around the house for materials you could use - the resources you have available may influence the type of aircraft you can build and the scale of your design. Make sure to ask for permission to use any materials you find.
- It's always a good idea to draw a quick sketch of your design, this will help you work out what you need and how you can use each resource.

## Begin to build!

If you are going to be using any type of glue or paint, make sure you have prepared your work area properly:

- Do you need to put down an activity mat or some newspaper to protect the surface?
- Check you are not in the way of anybody else that might need the space!
- Always check with a parent or guardian that it is ok/safe to use the resources you have selected.
- Once you have finished building, why not think about decorating your aircraft? You could use paint, crayons, pencils and felt tips, or perhaps other materials such as tin foil to cover your aircraft.



Be as creative as you can and let your imagination run wild. Don't forget to upload any photos onto social media and share them with us!



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