

Activity 2 – Junk modelling

Make a spaceship from recycled materials

What to do

Set up the construction materials.

Explain the task clearly. They will build a spaceship using the materials collected – look at and handle them. Discuss which parts of the rocket could be made with different materials

- Talk about ways to fix the parts together, without instructing, e.g. *masking tape will hold parts together for a while but sticks straightaway, glue takes a while to dry but holds longer*
- Give plenty of time for experimenting. The process is more important than the finished product.

What you need

Any clean packaging – cereal boxes, tubes, plastic drinks bottles, cartons, pizza boxes, egg boxes, takeaway containers

Fixing materials – sticky tape, masking tape, PVA glue, elastic bands

Decorative elements: foil, ready mix paints, card, paper

Scissors, felt pens,



Extension

Set a challenge – e.g. can you create a rocket that will deflect rocks? Can you make a rocket that a family can live in? Take the rocket on its first mission, launching it with a countdown from ten. Write labels for the different parts of the craft.

Questions to ask

Tell me about your rocket. What does each part do?

Where is your rocket going to go?

What makes your rocket strong?

How did you fix the materials together?