

## Redwood's Space Challenge Science Topic Cards

- Choose one of the challenge from below and work on it.

### CRASH LANDING

You have crash landed! The rescue team can't get to you until tomorrow so you will have to stay the night. Below are the materials you can recover from the wreckage to make a shelter.

WOOD ALUMINIUM GLASS NYLON PLASTIC IRON RUBBER  
POLYSTYRENE CORK COTTON WOOL FELT COPPER PAPER

You need to choose a material for the support beams, shelter and ground cover as well as sleeping bags. Make sure you write about why you have chosen each material.



**SPACE CHALLENGE CARD #3**

### DESIGN A SHELTER

You are going on a mission to explore new planets. You need to design a portable shelter to take with you when you are exploring the planets. Your shelter needs to be...

- light and easy to carry
- strong and durable
- warm, dry, safe and as comfortable as possible

Make sure you consider the structure and materials you will use. Draw a diagram, label the materials used and write about why you have chosen them.



**SPACE CHALLENGE CARD #4**