

Build your own space station (2)

1 Modules

For the modules, like the European Columbus laboratory, you can use empty cans or crisp tubes. Use paper and coloured felt-tip pens to decorate each of your modules and give them a name.

2 Solar panels

The solar panels are long and flat. Use aluminium foil and cut it into strips that should be 12 cm wide and as long as the sticks (for the bigger solar panels). Put two sticks of 5 cm length in between and fold the aluminium round them. To attach the solar panels, put a stick through the panel and the toilet roll.

3 Nodes

To connect two modules together, glue half a toilet roll in between. This makes it look like the corridor units (called nodes) that fix the different modules together.

4 Radiators

Cut two strips of white paper that should be 3 cm wide and 20 cm long. Fold the strips in half and make an "accordion". Fold the "accordion" over a stick (you can secure it by putting tape around it). Let the radiators hang over the sticks and point downwards.

5 Let the station float in space

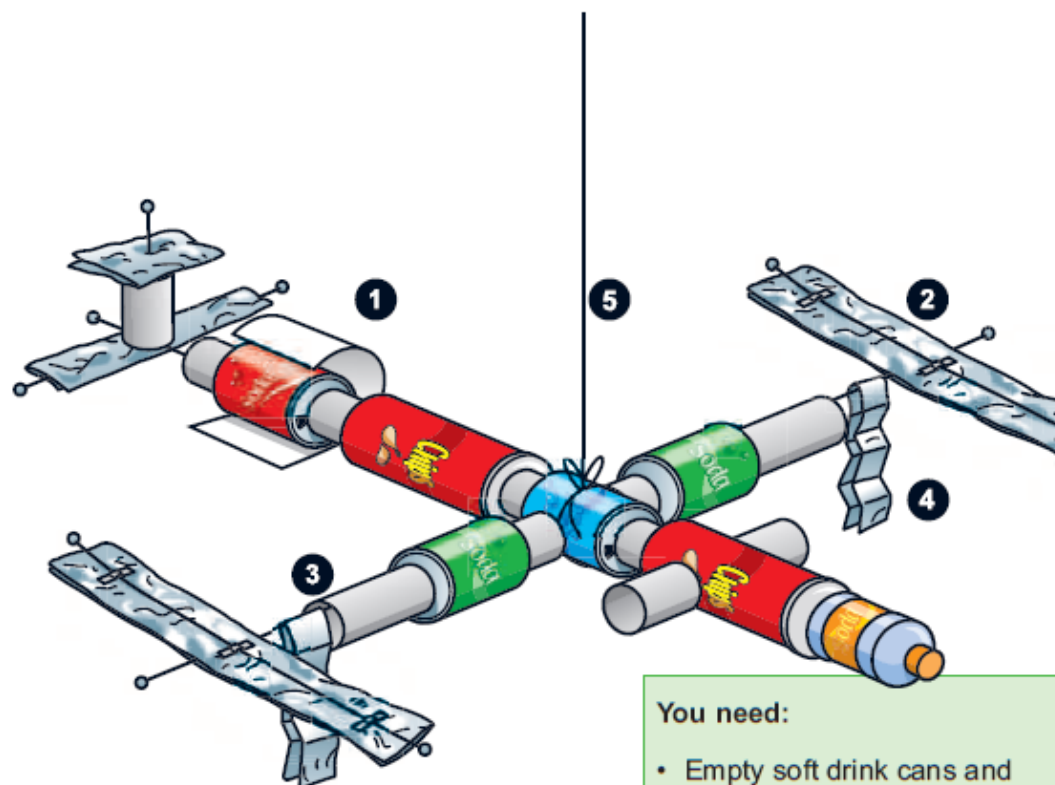
When you have fixed all the modules together, tie a string around the module in the middle so both ends are in balance. Hang it up in the classroom.

Worksheet B: Build your own space station (1)



Work in groups and build your own space station.

Use cans and aluminium foil or other material that looks similar to the Space Station's modules and solar panels.



You need:

- Empty soft drink cans and crisp tubes
- Toilet roll tubes
- Wooden skewers (sticks)
- Aluminium foil
- String
- A4 white paper
- Felt-tip pens
- Glue
- Scissors