

ENGINEERING
CHALLENGE

08

CARDBOARD CHAIR



THE
JAMES
DYSON
FOUNDATION

CARDBOARD CHAIR

Designed by Andy,
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The brief

Construct a chair that you can sit on using only cardboard. No glue, tape or other fixing materials allowed.

The method

1. Write down or sketch some ideas as to how you will construct the chair.
2. When you are planning, think about using cones, interlocking sheets, spirals, tubes – or even using strips of card like sewing thread.
3. Use the materials to create a chair made from cardboard.
4. If your first design doesn't work, evaluate what went wrong and try again.

Top tip

Think about structure.

Materials

Cardboard

Cutting equipment
(with adult supervision)

Rulers

Pencils



Examples of different structures:

