

ENGINEERING
CHALLENGE

CARDBOARD CHAIR



STEM challenges for budding engineers to try at home or in the classroom. Share your challenges with us: [#JDFChallenge](#)

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CARDBOARD CHAIR

ENGINEERING CHALLENGE

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Please note that the activities contained herein are intended for children ages seven and above. Adult supervision is recommended for all projects.

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:

