

DT

# Structures: Baby Bear's chair

Year 2

## What I should already know

- Cylinders are a strong type of structure.
- Different structures are used for different purposes.
- A structure is something that is made and put together.



## Technical skills

- Generating and communicating ideas using sketching and modelling.
- Learning about different types of structures, found in the natural world and in everyday objects.
- Making a structure according to design criteria.
- Creating joints and structures from paper/card and tape.
- Building a strong and stiff structure by folding paper.
- Exploring the features of structures.
- Comparing the stability of different shapes.
- Testing the strength of their own structures.
- Identifying the weakest part of a structure.
- Evaluating the strength, stiffness and stability of their own structure.

## Sticky Knowledge

Shapes and structures with wide, flat bases or legs are most stable.

The shape of a structure affects its strength.

Materials can be manipulated to improve strength and stiffness.

A structure is something which has been formed or made from parts.

A 'stable' structure is one which is firmly fixed and unlikely to change or move.

## Vocabulary

Function	How something works.
Man-made	Made by people.
Mould	To form different shapes out of soft, squishy materials.
Stable	An object that does not easily fall over.
Stiff	A material or object that does not bend easily.
Strong	Something that is not easily broken.
Structure	Something that has been made or put together and can usually stand on its own.
Test	To find out whether something works as it should.

