

There are many different kinds of spring. All springs are objects that change shape when a force is applied to them, and return to their original shape when the force is removed. There are many different uses for springs.

Use the internet to find out about the different shapes that springs can have, and how they are used.

- 1 Your task is to present information about the different kinds of springs and their uses. Illustrate each kind of spring, and write two or three sentences about its uses. If possible, explain how the shape of the spring helps it to do its job.
- 2 Choose who your presentation will be for. For example, you could be:
  - working for a spring manufacturer and explaining the types of springs that people could buy from you
  - training engineering students who may need to use springs
  - showing younger students the different uses of springs.

Choose a way of showing the information suitable for your audience. For example you could make a computer presentation, a leaflet or a poster.

Here are some spring names and uses to get you started:

**Types of spring**

- coil spring
- conical spring
- leaf spring
- running blades
- power spring
- bungee cord
- torsion spring
- split wire rings
- spring clips/circlips

**Uses of springs**

- weighing things
- storing and releasing energy
- holding things in place
- making furniture and beds comfortable
- reducing bumps in cars or other vehicles

**I can...**

- find relevant information about springs
- present information in a suitable way for an audience.