

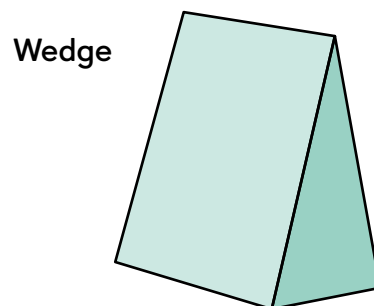
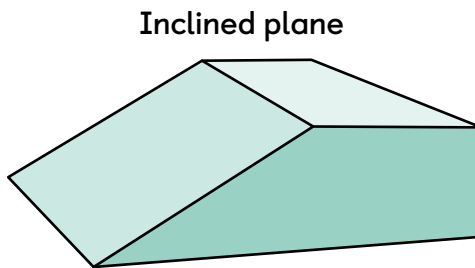
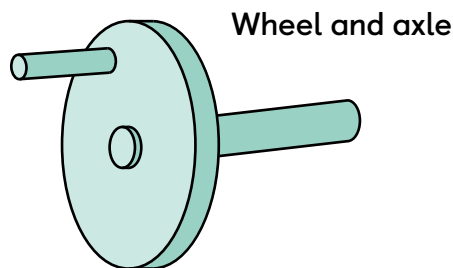
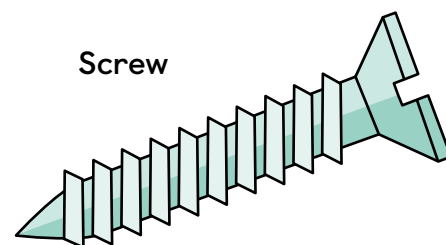
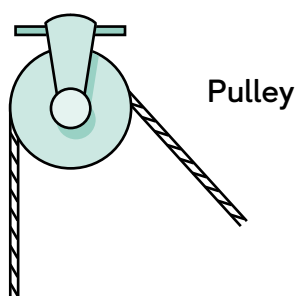
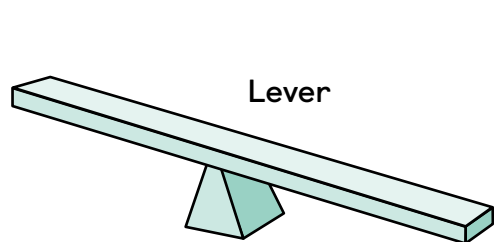
Playground design

Imagine your school is going to install some new playground equipment. The playground needs to be suitable for all ages of children in your school. It already has a slide, swings and a seesaw.

Design and make a new piece of playground equipment that includes one or more simple machine. It needs to be weatherproof and no electricity can be used.

What kinds of simple machines could be used to have fun? Your equipment can be a combination of several simple machines, and you must name your new invention!

Here are some simple machines you could adapt:



Here is some playground equipment that uses simple machines:



You will need to:

- Name your new invention.
- Design your equipment that includes at least one simple machine.
- Label your drawing and explain how the equipment works.
- Build a small model of your equipment to show that it works.

Playground design

Playground equipment planning sheet

Design:

How is it used?

Age range:

What materials would each part be made from? E.g. smooth plastic for the slide.

What is it called?

Now build a model to show how your equipment works.