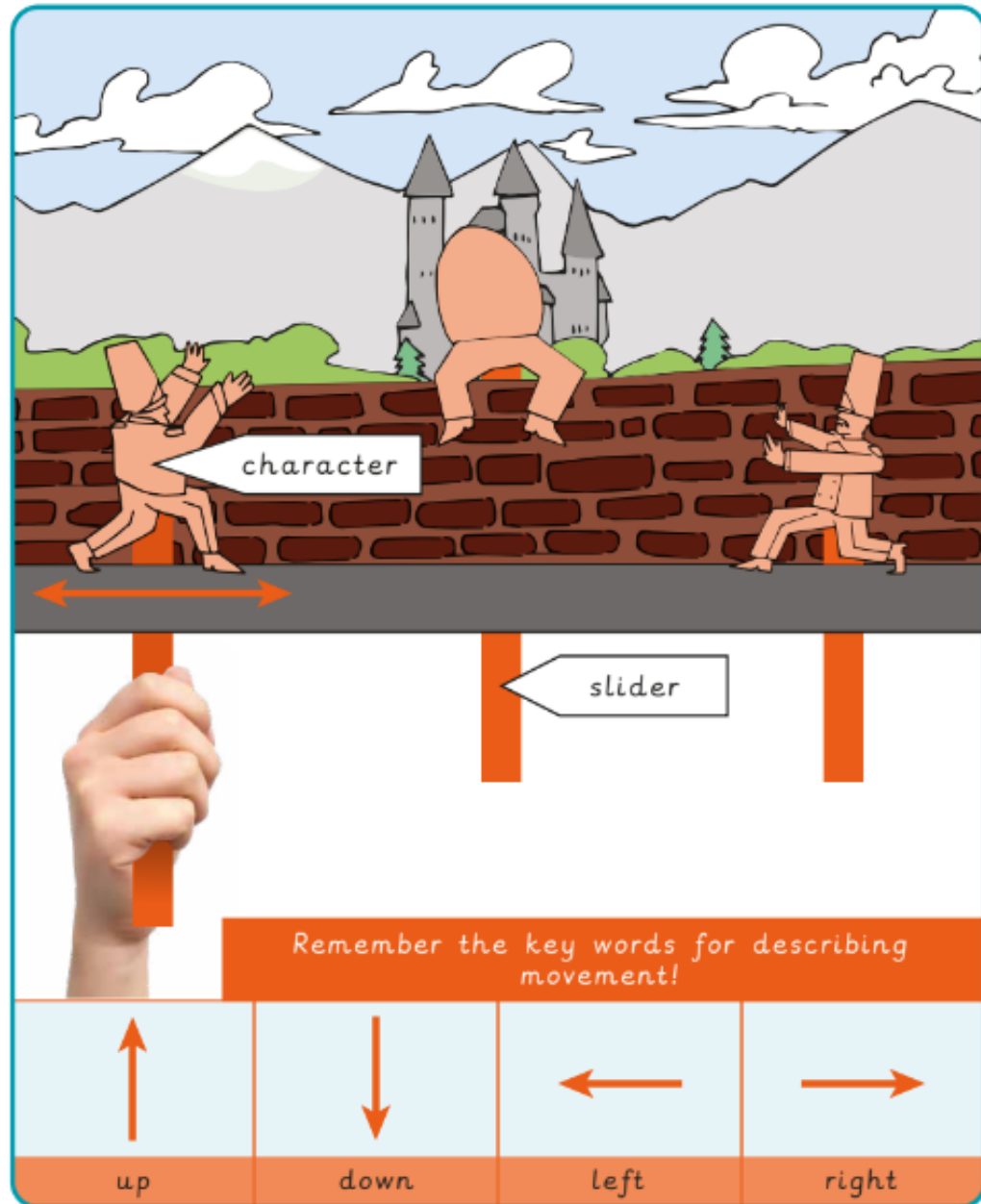




Year 1
Knowledge Organisers
Design & Technology

assemble	To fix all parts together.
design	To make, draw or write plans for something.
design criteria	A set of instructions for the project.
evaluation	Looking at what is good and bad about something and thinking about how to make it better.
mechanism	A set of parts of a machine that work together.
model	A copy of a real object to show how it works or what it looks like.
sliders	Something that can move from side to side or up and down.
target audience	A person or particular group of people at whom a product is aimed.
test	To find out whether something works as it should.



axle	A long, straight piece of material which connects to a rotating part (e.g. the sails of a windmill).
evaluation	Looking at what is good and bad about something and thinking about how to make it better.
sail	The parts that move in the wind.
stable	An object that does not topple over easily.
structure	Something that is built for a purpose.
test	To find out whether something works as it should.
windmill	A structure with sails that are moved by the wind.

The three main parts of a windmill:



What does the caretaker need for the windmill?

- It should stand up on its own.
- It should have a part to catch the wind and a standing structure.
- It should move in the wind.
- It can be decorated.



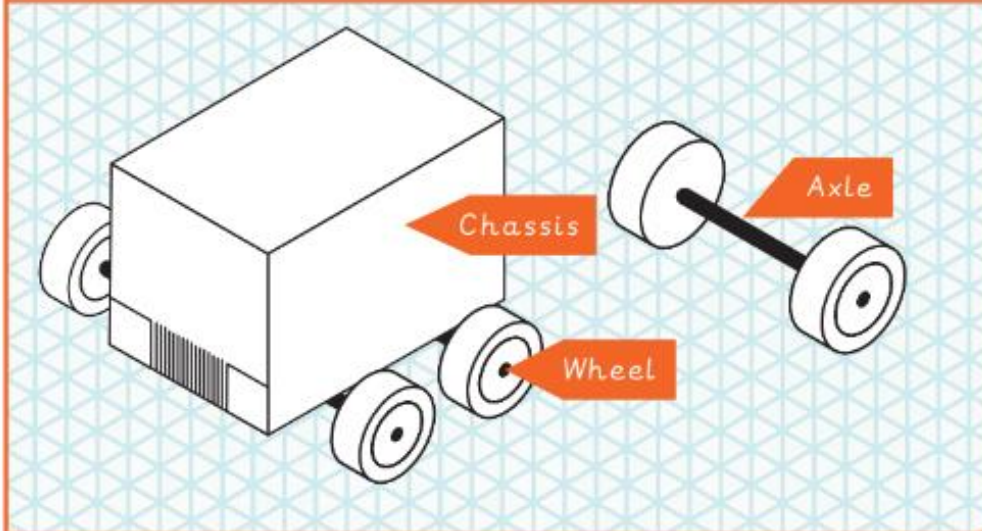
There are lots of different types of windmill around Britain. Have you seen any of these before?

Mechanisms - Wheels and axles

Accurate	Neat, correct shape, size and pattern with no mistakes.
Axle	A long straight rod which connects to a rotating part (e.g. the wheels of a car).
Axle holder	The part of a mechanism which holds the axle steady.
Chassis	The body of a car.
Design	To make, draw or write plans for something.
Fix	To mend something so that it will work properly again.
Mechanic	A person who can build or mend vehicles or other machines.
Mechanism	Parts of an object that move together to make something work.
Model	A practise version that lets you test out your idea and see how it will look and work.
Test	To find out whether something works as it should.
Wheel	A circular object that turns round. It can be fixed to a vehicle like a car or bicycle to allow the vehicle to move easily over the ground.

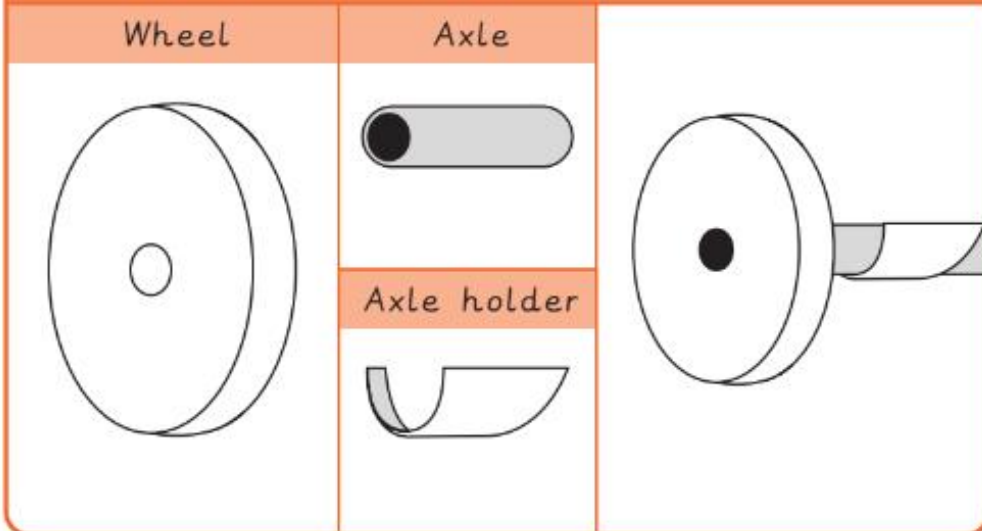
Key facts

How do wheels move?
The wheels need to be round and balance the body of the vehicle.



The wheels need to be attached to an axle.
The axle needs to fit inside the axle holder but must not be attached to the axle holder otherwise the wheels will not turn properly.

Wheels are on many objects, not just vehicles.
Have you seen any of these?



Textiles - Puppets

Decorate	To add details to a design to improve its appearance.
Design	To make, draw or write plans for something.
Fabric	A natural or man-made woven or knitted material that is made from plant fibres, animal fur or synthetic material.
Glue	A sticky liquid that can join two things together.
Model	A practise version, often on a smaller scale, that lets you test out your idea and see how it will look and work.
Hand puppet	A toy that you can make move by putting your hand inside it
Safety pin	A 'U' shaped pin with a cap where the needle slots in securely after fastening.
Stencil	A shape that you can draw around.
Technique	A way of doing something to complete a task.
Template	A stencil which you use to help you draw a shape more easily on to different materials.

Did you know?

Puppets were first invented over 3,000 years ago in Egypt.

They were made out of clay.

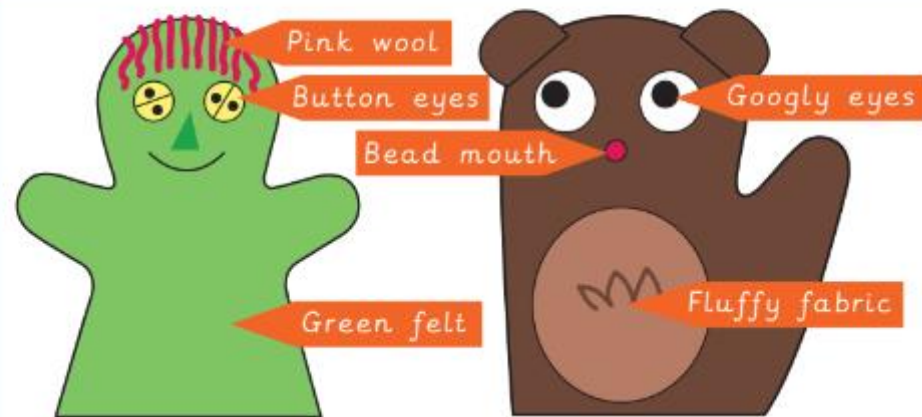


Key facts

You will use a variety of techniques to create your puppet including cutting, gluing, stapling and pinning.



What colour fabric will you choose for your puppet?
 What colour hair will your puppet have?
 What kind of eyes, nose and ears will your puppet have?



Cooking and nutrition - Smoothies

Vocabulary

cut To use a knife to make something smaller.

fruit The part of a plant that has the seeds in.

ingredients The foods needed to make a recipe.

juice To get the juice out of a fruit or vegetable.

juicer Something used to get juice from a fruit.

leaf The flat green part of a plant that grows from a branch or stem.

root Part of a plant that takes water and other things from the soil.

seed New plants grow from it.

stem The long, thin part of a plant that holds it up.

table knife A tool used for cutting.

vegetable Any part of a plant that you can eat.



Fruits and vegetables are an important part of a balanced diet.

Skills



cutting



juicing



taste testing



Key facts

fruits



strawberries



grapes



bananas

vegetables



potatoes



spinach



carrots