

Structures - Constructing a windmill

Client	The person who you are designing something for.
Design	To make, draw or write plans for something.
Design criteria	A set of rules to help you with your ideas and test the success of them.
Evaluation	When you look at the good and bad points about something, then think about how you could improve it.
Net	A flat 2D shape, that can become a 3D shape once assembled.
Stable	Object does not easily topple over.
Strong	It doesn't break easily.
Structure	Something that has been made and put together. For example, a building, bridge, chair, table.
Test	To find out whether something works as it should.
Weak	It breaks easily.
Windmill	A structure with sails that are moved by wind.
Windmill axle	The point from which the turbine or sails move.
Windmill structure	The part that makes the windmill stand up.
Windmill turbine	The parts that move in the wind.

There are lots of different types of windmill around Britain.

Have you seen any of these before?

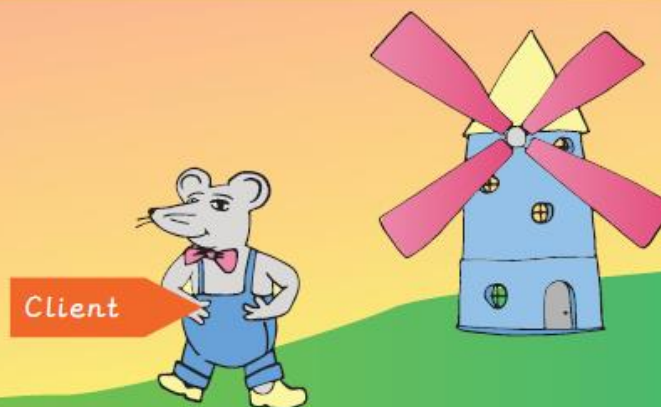


Key facts







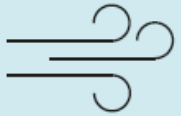
The three main parts of a windmill:

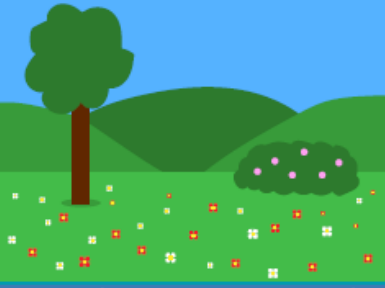


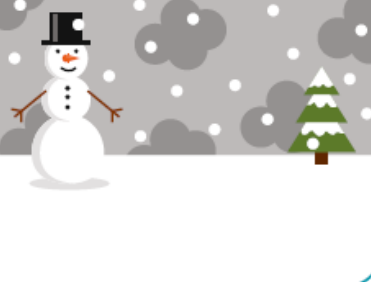


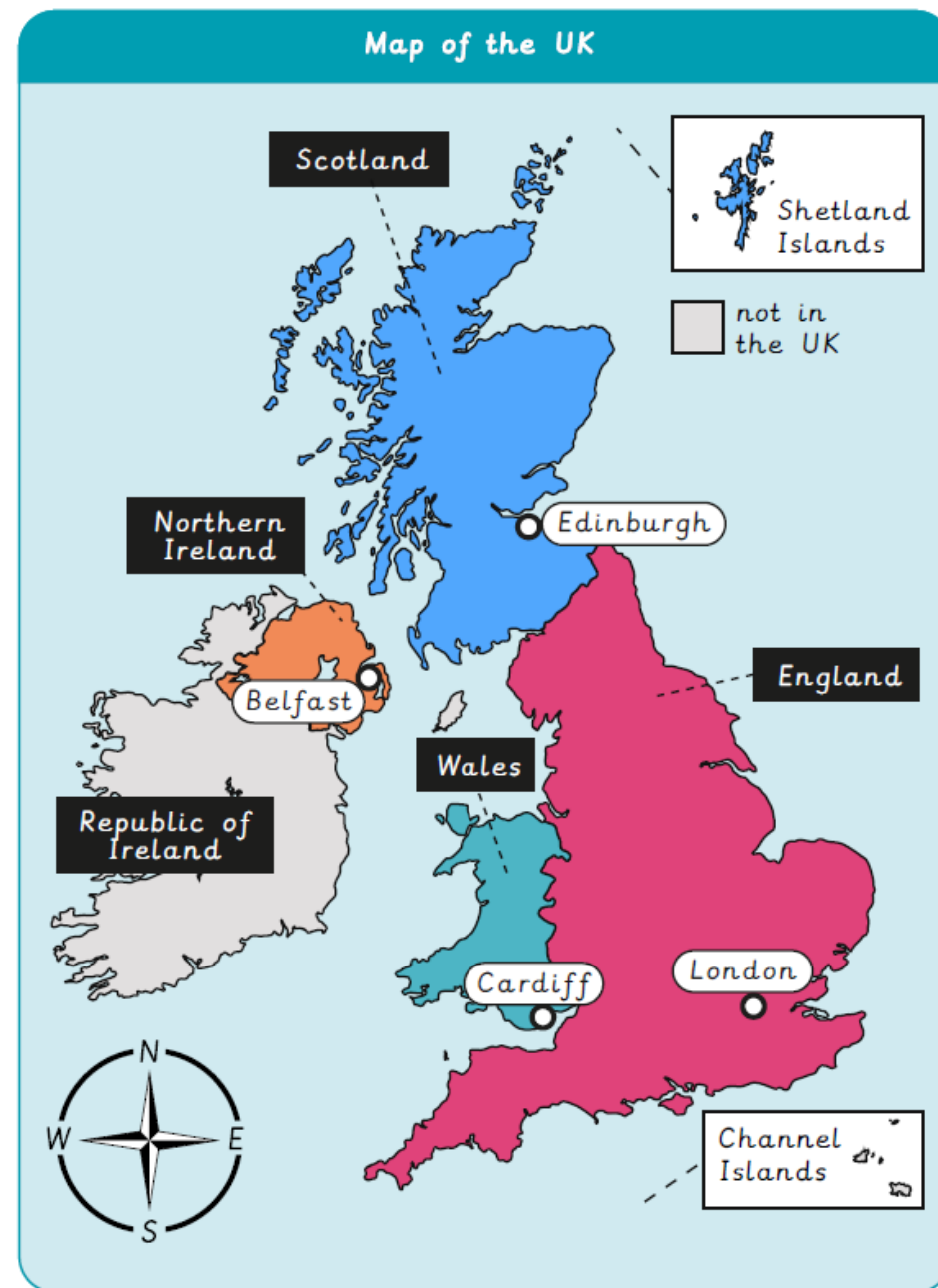
Remember to think about what your client, the mouse, will like! He will be living in the windmill and will need to be happy.



Year 1 - What is the weather like in the UK?

Weather symbols			
			
sunny	sunny and cloudy	rain	snow
			
thunder and lightning	cloudy	windy	

spring		summer	
			
autumn		winter	



Christianity - Who do Christians say made the world?

The principal aim of religious education is to explore what people believe and what difference this makes to how they live, so that pupils can gain the knowledge, understanding and skills needed to handle questions raised by religion and belief, reflecting on their own ideas and ways of living.

Our Learning



7th Day - God rested.

Ways to say thank you
to God



Focus for the unit

What order did God create everything in?

What might Christians do to look after God's world?

How do Christians say thank you to God?

KEY VOCABULARY	MEANING
Bible	Christian Holy book telling the story of God, his people and Jesus
Christian	Someone who believes in and follows the teachings of Jesus
Stewards	Christian belief that we should look after God's creation
Creation	The forming of the universe and everything in it by God
Nature	All the animals, plants, rocks etc. in the world and all the features
Harvest festival	A celebration of the food that has been grown on the land and collected

Animals including humans

How can animals be classified?

Key Vocabulary:

Mammals

Mammals are animals that **breathe air**, are **warm blooded**, grow hair or **fur**, and drink **milk** as a baby. They are **vertebrates**.

Amphibians

Animals that live in **water** when they are born and on **land** as they grow older. They start with **gills** before developing **lungs**. They are **cold-blooded**.

Birds

Animals that have **feathers, wings, beaks** and lay **eggs**. They are **vertebrates** and **warm blooded**.

Fish

Animals that live in water and **breathe using gills**. They have **fins** to swim and are covered in **scales**. They are **cold blooded**.

Reptiles

Animals that **breathe air**, are covered in **scales** and **lay eggs**. They are **cold blooded**.

Invertebrates

Animals that **do not have a backbone**. Many have a shell, or carapace, instead. They can be found on **land or in water** e.g. crabs, ladybirds, bees, shrimp

Vertebrates

Animals that **have a backbone**.

Carnivore

Animals that mostly eat **meat** (other animals).

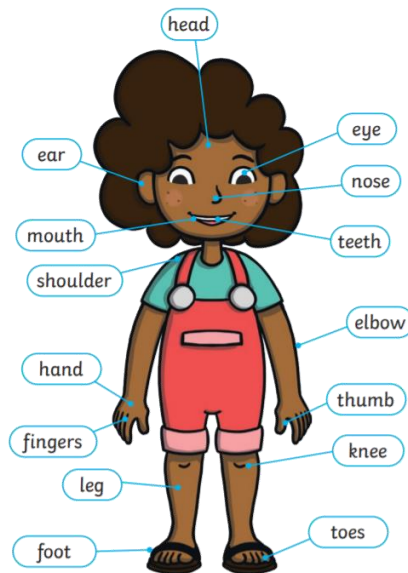
Herbivore

Animals that only eat **plants**.

Omnivore

Animals that eat **both plants and meat** (other animals).

sight	Your eyes let you see all the things around you.
hearing	Your ears let you listen to all the things around you. Your brain is able to tell what different sounds are.
touch	Your skin gives you the sense of touch. You can tell if something is warm, cold, smooth or rough without even looking at it!
taste	Your sense of taste comes from your tongue. You can tell if something tastes bitter or sweet. You might have some tastes you like and some you don't.
smell	You smell using your nose. Your nose can tell if things smell nice or not nice.



Key questions:

How many animal groups are there? Can you name them? What group are humans in?

What are the five senses?

Do you, or someone you know, have a pet? What do they eat? Are they a carnivore, herbivore or omnivore?