



Knowledge Organiser Year 2 (Autumn 2022)

We learn science because it helps us to understand the world around us.


Plants




Oak




Elder



Fir

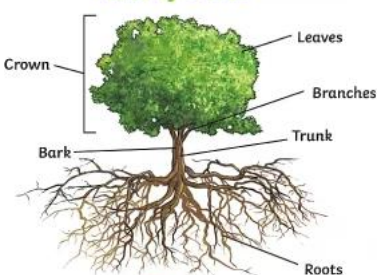


Ash




Beech


Parts of a Tree





Key Words	
plant	A living thing which usually grows from the ground.
tree	A type of plant which is usually very tall and has a woody trunk.
deciduous	A tree which sheds its leaves in winter.
evergreen	A tree which doesn't shed its leaves in winter.
roots	The part of a plant which is underground.
stem	The main body of a plant aboveground.
trunk	The main, woody stem of a tree.
branch	The part of a tree which grows out from the trunk.
leaf	The (usually) flat, green part of a plant which absorbs sunlight.
flower	The part of a plant which holds seeds -- often colourful.

Animals and humans















Some foods are more healthy for you than other foods. Eating too much of the wrong foods can make you feel tired and can make you sick. You should try to have half of your plate filled with fruits and vegetables and a quarter of your plate with bread, rice, pasta or potatoes. The rest of your plate is for meat, fish, cheese and other things. Water is a good choice of drink.


Healthy	Good for you.
Hygiene	Keeping our body clean.
Exercise	How I move my body.
Diet	What I eat and drink.

Materials

brick	stone	paper	card	cardboard	rubber
Very strong and tough Lasts for a long time	Very strong and tough. Lasts for a long time	thinner than card	thicker than paper but thinner than cardboard	thicker than paper and card	extremely flexible
					
Uses: building houses, walls	Uses: garden walls, older buildings	Uses: books, writing on, wrapping presents	Uses: folders, birthday cards, cereal boxes	Uses: large boxes	Uses: tyres, tubes, rubber bands, gloves

metal	glass	plastic	wood	fabric	sponge
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Sometimes, the same object can be made of different materials! These spoons are made from plastic, metal and wood. This means they may be used for different purposes.



Key Words	
object	A thing we can see and touch.
properties	A way to describe what a material is like.
material	The "stuff" that objects are made from.
reflect	To bounce off.
purpose	What "job" an object does.


Earth and space (seasonal changes)

Winter Spring Summer Autumn



Sound

Sources of sound are all around us.



What causes all these different types of sound?