

Pine Class Science Knowledge Organiser - Autumn Term

Seasonal Changes

Key Vocabulary	
seasons	There are four seasons each year, autumn , winter , spring and summer.
autumn	In autumn , the weather begins to get colder. The leaves start to fall from the trees. The amount of daylight becomes less. This means the daytimes are shorter and the night times are longer.
winter	In winter , the weather is much colder. Sometimes it is cold enough to freeze, leaving frost and ice on the ground. It sometimes snows. Many trees have bare branches as all their leaves have fallen off. The daytimes are the shortest in the year and the night times are the longest.
weather	The weather includes the temperature outside, the wind direction and strength, as well as rain, cloud, snow and sun.
daylight	Daylight is when it is light outside. The amount of daylight changes with each season .



The Four **Seasons**

autumn September October November	winter December January February
spring March April May	summer June July August

Key Vocabulary

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.

Senses



sight



hearing



touch

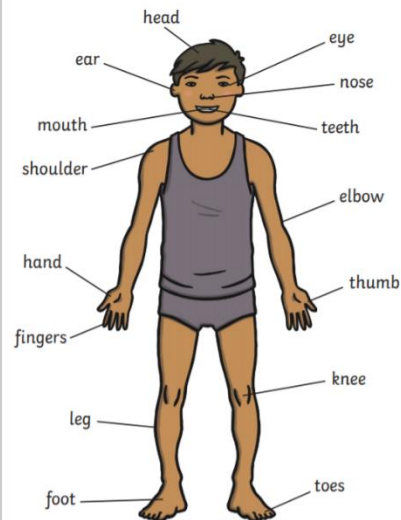


taste



smell

Parts of the Body

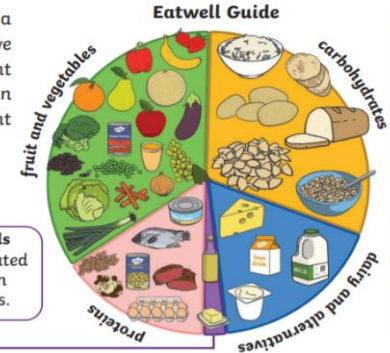


Animals Including Humans- Senses and Healthy Bodies

To stay alive, all animals have 3 basic needs:



To grow into a healthy adult, we must eat the right types of food in the right amount and **exercise**.



Water, lower fat milk, sugar-free drinks including tea and coffee all count.
6-8 a day

Eat less often and in small amounts.

To stop illness and infections spreading, we must be hygienic and keep ourselves clean.



Key Vocabulary

dehydrate	To lose water (dry out).
diet	The food and water that an animal needs.
disease	Illness or sickness.
energy	The power needed to carry out a task.
exercise	A physical activity to keep your body fit.
germs	Bugs that cause disease and illness.
heart rate	The number of times a heart beats in one minute.
hygiene	How clean something is (to stay healthy and stop disease and illness spreading).
nutrition	Food needed to live.
pulse	The beating of the heart that can be felt in your neck and wrist.

Key discussion points

Why do we need to wash our hands?

What happens to our pulse when we exercise?

What do we need to stay alive?

What makes a healthy meal?

Can you name parts of the body?

Which parts of the body do we use to smell, touch,