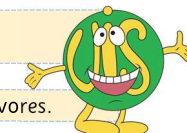




Knowledge Organiser: Year Two Science: Humans How do brilliant scientists understand how and why humans keep healthy?



Prior learning: In Year One children learned the basic parts of the human body and about which part is associated with each of the five senses and about carnivores, herbivores and omnivores.

Meet some brilliant scientists...



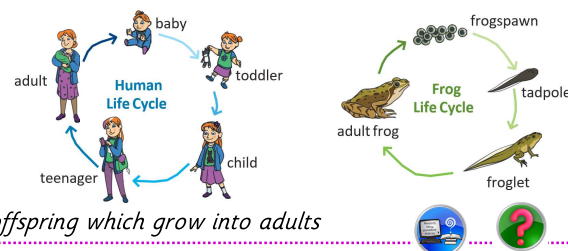
Katalin Karikó is a Hungarian biochemist who was one of the people who created the first COVID vaccine.



Dr John Harvey Kellogg was an American nutritionist. He became famous for inventing breakfast cereals

How do humans and animals reproduce?

We will learn that humans and other animals reproduce and that their offspring grow into adults. We will learn that some animals have live young and some lay eggs and that the young of some animals don't like the adults, as described in 'Monkey Puzzle' by Julia Donaldson.



I know that animals including humans have offspring which grow into adults

What do humans need to survive?

We will learn about the basic needs of humans and animals for survival:



water



air



food

We will recap our Year One learning - that animals get their food in different ways:



carnivores
eat meat



herbivores
eat plants



omnivores
eat meat and plants

I know that humans need food, water and air to survive

How and why do humans keep themselves clean?

We will learn that, to stay healthy, humans need to have good hygiene and keep clean.

We will investigate the importance of keeping clean and the best way to wash our hands.



I know the importance of hygiene to keep healthy

How do scientists sort food into different groups?

We will learn about different food groups and why a balanced diet is important.



carbohydrates

eat some of these



proteins

eat some of these



fruit and
vegetables

eat lots of these



dairy

eat some of these



fatty and
sugary food

eat a little of these

I know what a healthy diet is and why it is important

How does exercise change our bodies?

We will learn about the importance of exercise and how, when we exercise, our bodies change in different ways. We will carry out a scientific enquiry to investigate this.



Our heart beats
faster



We breathe more
quickly



We get hot



We sweat

I know the effects of exercise and why it is important

Key vocabulary: Glossary

air	The gas that animals need to breathe	gills	The part of animals e.g. fish that allow them to breathe	offspring	The young of a human or other animal
adult	A fully-grown animal or plant	herbivore	An animal that eats plants	omnivore	An animal that's eats both meat and plants
carbohydrates	Foods that include rice, pasta, bread and cereals	heart	The part of the body (organ) which pumps blood	proteins	The group of foods including meat and fish
carnivore	An animal that eats meat	hygiene	Something which is clean and healthy	survival	Being able to live in your environment
dairy	Foods which are made from milk, e.g. yoghurt	life cycle	The changes living things go through to become an adult	unhygienic	Something which is unclean and may lead to disease
diet	Foods that animals need to eat to give nutrients	lungs	The part of animals e.g. humans needed to breathe	vegetables	Foods including carrots, broccoli and peas
fats	Foods including oil, butter and margarine	nutrition	The food animals need to grow		

How do humans keep healthy?

We will create healthy lifestyle posters to show all of the things we need to do to keep healthy, using all of the knowledge we have collected over the last few weeks.

