



Year 4 Spring 2

Knowledge Organiser



Science We will be learning about teeth, the digestive system and food chains.

Key Knowledge

Food enters the body through the mouth.

Digestion starts when the teeth start to break the food down. Saliva is added and the tongue rolls the food into a ball.

The food is swallowed and passes down the oesophagus to the stomach. Here the food is broken down further by being churned around and other chemicals are added.

The food passes into the small intestine. Here nutrients are removed from the food and leave the digestive system to be used elsewhere in the body.

The rest of the food then passes into the large intestine. Here the water is removed for use elsewhere in the body.

What is left is then stored in the rectum until it leaves the body through the anus when you go to the toilet.

Humans have four types of teeth: incisors for cutting; canines for tearing; and molars and premolars for grinding (chewing).

Key Vocabulary

Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, intestine, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain

Geography— We will be learning how to use maps, atlases, globes and digital mapping to locate countries and describes different features of our world.

Key Knowledge

The Earth's crust is made up of plates. As plates move in different directions over long periods of time, friction causes energy to build up. It becomes so great that the energy is released, which creates a shock wave - an earthquake

Key Vocabulary

Rivers
Mountains
Volcanoes
Earthquakes

Music We will be learning about Haiku music and performance whilst specifically focusing on the Hanami festival.

Key Knowledge

To know that a glissando in music means a sliding effect played on instruments or made by your voice.

To know that expressive language (like a poem) can be used as inspiration for composing music.

To understand that both instruments and voices can create audio effects that describe something you can see.

Key Vocabulary

Hanami, pitch, cherry blossom, glissando, pizzicato, composer, composition, haiku, syllables, melody

Computing We will be learning about spreadsheets and how they can help us in maths.

Key Knowledge

A spreadsheet is a computer program that represents data in cells in a grid of rows and columns.

Any cell in the grid may contain either data or a formula that describes the value to be inserted based on the values in other cells.

A budget is the amount of money available to spend on a project.

Key Vocabulary

budget
average
formula
formula wizard
chart
rows
columns

PSHE—We will be learning about what a healthy diet consists of and recognise the positive and negative impacts on our bodies.

Key Knowledge

We need a balanced diet to have a healthy diet.

A balanced diet is having a range of food groups, with healthy groups been eaten in greater amount than sugary groups.

Key Vocabulary

balanced diet, dairy, carbohydrates, protein, fats, sugars, vitamins

RE—What occasions in people's lives are significant and why?

Key Knowledge

Rosh Hashanah - marks the start of the Jewish new year.

Yom Kippur - the Day of Atonement, the opportunity to cleanse himself of his sins and renew his relationship with God.

Hanukkah – festival of lights.

Bat Mitzvah (girl) and Bar Mitzvahs (boy) are ceremonies for children entering teenage hood and considered ready to take on the duties of a Jewish adult, being responsible for their actions. They would be known as daughters or sons of the commandment.

Key Vocabulary

Rosh Hashanah
Yom Kippur
Hanukkah
Bat Mitzvah
Bar Mitzvah

Other relevant information for this half term

English—This term we will be exploring the exciting story of 'The Incredible Book Eating Boy' and using it to inspire our own persuasive and narrative writing.

Spelling— It is vital that children learn the year 3/4 statutory spellings and know the spelling rules associated with these words to apply to new and unfamiliar spellings. We will study these spellings and those with similar spelling rules and letter patterns in both spelling and handwriting lessons.

Reading— We cannot stress enough that children need to read and have their reading diaries signed 5 times a week. Children who don't read at home will read in Catch Up Club.

Maths— Length, perimeter and fractions are a focus for this half term. There will also be a large emphasis on learning the times tables ready for the multiplication tables check in June.

PE—The focus this half term is Outdoor learning. This will happen every Monday.

French—We will be learning the French words for the parts of our body and creating a yoga sequence.

Art—We will be focusing on drawing. In particular, we will be looking at the features of our body.