



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

History- We will be learning about the Ancient Greeks. We will be doing a study of Greek life and achievements and their influence on the western world.

Key Knowledge

The Ancient Greeks developed the world's first democracy.

They were the first people to take the scientific approach to medicine by studying the diseases.

Playwrights wrote and produced the first dramas in outdoor theatres.

They created outstanding literature, poetry, and mythology.

They created magnificent buildings and sculptures.

They gave us the Olympics.

Key Vocabulary

Democracy
Ancient
Civilization
Empire
Legacies
Philosophy
Olympics
Mythology

Computing We will be learning about Artificial Intelligence (AI). As well, we will become hardware investigators.

Key Knowledge

Artificial intelligence (AI) is when computers and machines can do things that usually need human intelligence, like learning, solving problems, and making decisions.

Artificial intelligence is used in many ways in our lives. It helps us find information online, play games, use voice assistants, and even control some devices at home.

Computer systems able to perform tasks normally requiring human intelligence, such as seeing things,

Key Vocabulary

Artificial
Intelligence
Data
Algorithm
Systems

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

PSHE—We will be learning about the risks of knowing someone face to face compared to knowing them online.

Key Knowledge

If you meet someone online, you cannot be certain of their identity.

It is unsafe to talk to strangers online and face-to-face.

Key Vocabulary

Face to face

Identity

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

Key Knowledge

Torah refers to the 5 books of Moses. These are the same 5 books that make up the start of the Christian Bible.

The Torah text must be written out by a scribe in Hebrew onto a scroll to be used in public prayer services in synagogues.

A tallit is a fringed garment worn as a prayer shawl by religious Jews.

Torah ark is an ornamental chamber in the synagogue that houses Torah scrolls.

Key Vocabulary

Torah

Tallit

Torah ark

Yad

Hebrew

Other relevant information for this half term

English—This term we will be exploring the exciting story of ‘Theseus and the Minotaur’ and using it to inspire our own information 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— Fractions and decimals are our focus in maths 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 Athletics. This will be on a Thursday.

French—We will be learning how to express our feelings of feeling ill and learning the names of jungle animals.

Art—We will be focusing on the artist William Morris. We will be looking at his style of painting and creating a piece like his.

DT— We will be adapting a biscuit recipe, taking into account the ingredients and the budget we will have.