



## Year 5 Spring 2

### Knowledge Organiser



**Science** Our science topic for the next term is living things and their habitats.

#### Key Knowledge

- As part of their life cycle, plants and animals reproduce. Most animals reproduce sexually. This involves two parents where the sperm from the male fertilises the female egg.
- Animals, including humans, have offspring which grow into adults.
- In humans and some animals, these offspring will be born live, such as babies or kittens, and then grow into adults. In other animals, such as chickens or snakes, there may be eggs laid that hatch to young which then grow to adults. Some young undergo a further change before becoming adults e.g. caterpillars to butterflies. This is called a metamorphosis.
- Plants reproduce both sexually and asexually. Bulbs, tubers, runners and plantlets are examples of asexual plant reproduction which involves only one parent.

#### Key Vocabulary

Life cycle  
 Reproduce  
 Egg  
 Sperm  
 Fertilise  
 Live young  
 Sexual/asexual  
 Metamorphosis  
 Plantlets

**Geography**—we will be looking at the position and significance of longitude/latitude, the hemisphere and the Tropics.

- Lines of latitude and longitude are measured in degrees and they are used to describe locations.
- Lines of latitude are measured in degrees north and south of the Equator.
- The Equator splits the world into the Northern and Southern hemisphere.

#### Key Vocabulary

Latitude  
 Longitude  
 Tropic of Cancer  
 Tropic of Capricorn  
 Northern Hemisphere  
 Southern Hemisphere

**French** We will be identifying significant places which can be found in a city centre or local area.

#### Key Knowledge and Learning

To understand and remember some items of clothing in French.  
 To identify parts of the verb “porter”/gain understanding about verb patterns in French.  
 To write a simple sentence using adjectives of colour.  
 To understand and write with support some simple sentences about clothes using a variety of adjectives.  
 To understand a detailed description of an outfit including known and unknown vocabulary.  
 To write a description of a sports kit using the verb “porter”, a variety of adjectives and nouns, including a conjunction.

#### Key Vocabulary

Porter  
 Un pantalon—trousers  
 Un pull—jumper  
 Un short—shorts  
 Une robe—a dress  
 Une jupe—a skirt  
 Des baskets—trainers  
 Des chaussures—shoes  
 Un tee-shirt—a t-shirt  
 Grand—big  
 Petit—small

**Art** Children will be creating intricate patterns and textures on a clay tile.

**Key Vocabulary**

Slip  
Pinch  
Slab  
Coil  
Paint  
Glaze  
Polish

**Key Knowledge**

- A 'slip' is used to join two pieces of clay together.
- You can manipulate clay using pinch, slab and coil techniques.
- Different tools create intricate patterns and textures.
- Paint, glaze and polish can be used to finish a clay piece.
- Clay can be carved to create intricate patterns and textures.
- Mayan masks were a central part of the culture and were worn for many different occasions.

**Computing** - This half term, we will be using spreadsheets.

**Key Vocabulary**

Rows  
Spreadsheet  
Data  
Formula  
Column  
Variable

**Key Knowledge**

- To use formulae within a spreadsheet to convert measurements of length and distance.
- To use the count tool to answer hypotheses about common letters in use.
- To use a spreadsheet to model a real life problem.
- To use formulae to calculate area and perimeter of shapes.
- To create formulae that use text variables.

**Music** We will be completing a composition unit this half term.

**Key Vocabulary**

Synaesthesia  
Dynamics  
Holi  
Graphic score  
Vocal composition

**Key Knowledge** A vocal composition is a piece of music created only using voices.

Varying effects can be created using only your voice, for example by changing the pitch, dynamic or tempo of the sound made.

Human voices have their own individual timbre, and that this can be adapted by using the voice in different ways.

**Other relevant information for this half term**

**English**—This term we will be reading 'Explorers', while continuing to focus on our grammar and punctuation.

**Spelling**—Children need to practice the year 5/6 spelling lists that will be in their homework books. They need to know half of these by the end of year 5.

**Reading**— Children need to read at home and have their reading diaries signed 4 times a week. Children, who don't read at home, will read in Catch Up Club on a Friday.

**Maths**—This half term, we will be working in our Power Maths books on with decimals, fractions and percentages, along with measure. Times Table Rock Stars logins are in children's reading diaries.

**PE**—The focus this term is outdoor adventurous activities. PE will be on a Friday, however this can change from week to week. Children's PE kits should be in school every day.

**RE**—This half term, the children will be learning all about the views about life after death.

**Homework**— Homework will be sent home on a Friday to be returned the following Wednesday. Children who do not complete their homework will need to attend Catch Up Club.