



## Year 6 Spring 2

### Knowledge Organiser



**Science** This half term, we will be grouping and classifying living things according to different criteria.

#### **Key Knowledge**

Living things can be formally grouped according to characteristics.

Plants and animals are two main groups but there are other living things that do not fit into these groups e.g. micro-organisms such as bacteria and yeast, and toadstools and mushrooms.

Plants can make their own food whereas animals cannot.

Animals can be divided into two main groups: those that have backbones (vertebrates); and those that do not (invertebrates).

Vertebrates can be divided into five small groups: fish; amphibians; reptiles; birds; and mammals. Each group has common characteristics.

Invertebrates can be divided into a number of groups, including insects, spiders, snails and worms.

#### **Key Vocabulary**

Vertebrates

Fish

Amphibians

Reptiles

Birds

Mammals

Invertebrates

Insects,

Flowering

Non-flowering

**Computing** We will be using Excel this half term as we explore spreadsheets.

#### **Key Knowledge**

Spreadsheets are used to display, organise and interpret information.

They are easy to manipulate and carry out useful calculations quickly.

Within the formula bar for the cell, you will need to write = then the cells you want to multiply using the operator \*

#### **Key Vocabulary**

Cell reference

Cell

Data

Text wrapping

Formula bar

Range

Formula

Formulae

**Geography** We will learn about time zones as well as lines of longitude and latitude this half term.

#### **Key Knowledge**

Lines of longitude are lines from the North Pole to the South Pole measured in degrees.

Lines of longitude are numbered east of the prime meridian from 0° to 180° east longitude and west from 0° to 180° west longitude.

#### **Key Vocabulary**

Longitude

Latitude

Prime/Greenwich

Meridian

**PSHE** We will be thinking about careers and the steps required to reach our goals this half term.

**Key knowledge**

An apprenticeship is a paid job where the employee learns and gains valuable experiences. Different jobs require different level of qualifications such as a degree, diploma, GCSEs, A-Levels

**Key Vocabulary**

Career  
Career path  
Apprenticeship  
Degree  
Qualification  
Voluntary work  
experience

**Art—** We will explore the anatomical sketching work of Leonardo da Vinci this half term. We will learn about his life and work.

**Key Knowledge**

Leonardo da Vinci was a painter, sculptor, architect, writer, anatomist, geologist, astronomer, inventor, and scientist.  
He was born in Vinci, Florence in 1452.  
Some of his most famous works include The Mona Lisa and The Last Supper.

**Key Vocabulary**

Painter  
Sculptor  
Architect  
Anatomist  
Geologist  
Astronomer  
Inventor

**RE**—Our enquiry question this half term is ‘Where do our values come from?’ We will continue to explore Hindu Dharma.

**Key Knowledge**

Many Hindus value extended family ties and a sense of community responsibility.  
Hindus emphasise a collective society not an individual one so key decisions eg marriage are made together. Marriage is regarded as relationship between two families.  
Karma: In each life, the person is rewarded or punished for the things that they have said and done in their last life.

**Key Vocabulary**

Puja  
Mandir  
Vishnu  
Rama  
Sita  
Dharma  
Diwali  
Holi  
Karma

**Other relevant information for this half term**

**English**—This half term, we will read ‘Holes’ by Louis Sachar and use it as a catalyst for our writing. We will write an informal letter as well as a non-chronological report about sandstorms.

**Spelling**— It is vital that children learn the year 5/6 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**— Arithmetic and fluency will continue to be a focus for us this term as we apply our skills to a widening range of reasoning problems. We will look at geometry as well as statistics. Children need to be fast and efficient with their times tables.

**PE**—The focus this half term is outdoor adventures. Children must have their full PE kits available in school every day.

**French**—We will learn about vocabulary relating to funfairs and continue to offer our opinions. We will use vocabulary for high, low, fast and slow.