

## Science

### Earth and Space

Children will be able to describe the movement of the Earth and other planets, relative to the Sun in the solar system.

Children will describe the movement of the Moon relative to the Earth.

Children will describe the Sun, Earth and Moon as approximately spherical bodies.

Children will be able to use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

#### **Working scientifically**

Children will plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.

Children will take measurements using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.

Children will identify scientific evidence that has been used to support or refute ideas or arguments

### French – Feelings and comparison

Children will recognise and use vocabulary to say how you are feeling (avoir expressions) They will recognise and use vocabulary to describe life in an African Tribal village.

Children will understand, ask and answer questions about where you live and what languages you speak.

Children will link sentences with *parce que*, *puis* and *car*.

Children will be able to recognise superlatives such as *le plus petit*, *le plus jeune*, *la plus belle*.

They will revise nasal sounds *an*, *am*, *en*, *em*. Year 5 children will learn contrasting phonemes for words ending in *eil*, *ail* and *ille*, such as *soleil*, *travail*, *gorille*.

## AUTUMN 1 - 2017 Year 5



### English

Children will begin the term with a poetry unit to support and extend their vocabulary within their writing.

Children will then focus on developing their narrative story writing by producing their own version of a traditional tale. Children will reflect on the main character of the legend from different viewpoints and re-tell the story from several different perspectives.

They will also write a biography about a famous explorer that they have researched which links to this half term's geography topic.

### Geography – Explorers

Children will identify the position and significance of latitude and longitude, the equator, the Northern hemisphere, the tropics of Cancer and Capricorn, the Arctic and Antarctic circle, the Prime / Greenwich meridian and other time zones. They will be able to use the eight points of a compass, four and six figure grid references, symbols and a key to build their knowledge of the UK and the wider world.

Children will use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

### Computing – Coding

Children will use search technologies effectively. They will appreciate how results are selected and ranked.

Children will be discerning in evaluating digital content.

This term computing will be linking into research work on our topic of Explorers. Year 5 children will use Google Earth and flickr maps to find co-ordinates linking to an Explorer.

Children will answer questions about Explorers and use different websites to find the research while evaluating the digital content.

### PSHE & Citizenship Bullying Awareness

Children will be able to recognise and express a variety of emotions, including jealousy, anger, excitement and worry. They will develop strategies and skills to cope with such feelings and with changing moods.

Year 5 children will be able to recognise their strengths and weaknesses and to cope with success and making mistakes.

Children will identify their special people and describe how their networks have changed and developed.

They will understand the differences between good friends, boyfriends and girlfriends.

Children will understand what is involved in belonging to and being left out of a group, as well as characteristics of a good leader. Children will recognise some of the peer pressures and influences of being involved in a group.

Year 5 children will learn about different types of bullying, why it happens and its effects on people.

They will develop strategies to deal with bullying and stop it happening.

Children will be able to respond assertively to teasing and bullying.

Children will be able to describe their personal effectiveness and set realistic goals

### Maths

Children will explore, understand and apply the number system.

They will be able to count in whole numbers, in multiples and use negative numbers. Children will read, write, order and compare whole numbers and fractions.

They will explore place value using whole numbers and fractions and read roman numerals.

Children will round whole numbers and decimals.

They will be able to solve mathematical problems using all four operations.

They will be able to add, subtract, multiply and divide whole numbers and decimals mentally using known facts.

Children will estimate and use inverses to check calculations.

### Physical Education

#### Net Court wall games and Gymnastics

Children will use running, jumping, throwing and catching in isolation and in combination.

They will play competitive games, modified where appropriate, for example **volleyball and rugby** and apply basic principles suitable for attacking and defending.

Year 5 children will develop flexibility, strength, technique, control and balance.

They will perform dances using a range of movement patterns and compare their performances with previous ones and demonstrate improvement to achieve their personal best.

Children will engage in competitive sports and activities with other schools.

### Religious Education

#### Christianity and Buddhism

Children will develop religious vocabulary to describe some key features of religions such as Buddhism and Christianity. They will learn about key religious beliefs, ideas and teachings. Children will be able to identify the significance of objects and people within religious practices and lifestyles.

### Music – Livin' on a prayer

Children will listen and appraise a range of rock songs. Pupils will sing and play musically with increasing confidence and control. They should listen with attention to detail and recall sounds with increasing aural memory. They will perform themselves, analysing their performances throughout. They will analyse how rock music developed from the Beatles onwards.

### Art

#### Emma Bridgewater - Designer

Children will use their sketch books to record observations and use them to review and revisit ideas.

Children will be able to improve their mastery of art techniques, including drawing and painting with a range of materials including printing techniques. Children will learn about Emma Bridgewater in History.