

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.

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

Children will understand and 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.

They will be introduced to a model of the Sun and Earth that enables them to explain day and night.

Children will understand that the Sun is a star at the centre of our solar system and that it has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune (Pluto was reclassified as a 'dwarf planet' in 2006).

They will also understand that a moon is a celestial body that orbits a planet (Earth has one moon; Jupiter has four large moons and numerous smaller ones).

Working Scientifically

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

Computing - Data Matters

Children will investigate the concept of "big data" and its use in the world.

They will review file types and Information Models Children will develop expertise in spread-sheets, using both formulae and functions.

They will import Morphing Image.

Children will use 3D graphical modelling to create and explore objects.

They will review operating protection.

They will explore binary form and develop understanding of computer networks.

They will search more efficiently and investigate their digital footprints (or 'digital tattoos'), building safe and responsible use of online spaces.

They will create and search flat-file databases, developing accuracy and efficiency.

French

Quelle est la date Aujourd'hui?

Children will repeat and recognise the months of the year in French.

They will ask when somebody has a birthday and say when they have their birthday.

Children will say the date in French.

They will create a French calendar.

Children will recognise key dates in the French calendar.

AUTUMN 1 Year 5



English

Sentence Structure and organisation.

Children will begin refreshing their knowledge of basic grammar and writing expectations. They will use single clause sentences and multi-clause sentences (and multi-clause sentences more accurately).

They will use expanded noun phrases e.g. 'the teacher' expanded to 'the strict maths teacher with curly hair.'

Children will learn how to reorganise clauses in sentences to engage the reader including using fronted adverbials e.g. Later that day, I heard the bad news.

They will use inverted commas and other punctuation to indicate direct speech use apostrophes to mark plural possession e.g. the girl's name, the girls' names

Writing across a range of texts.

They 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 terms 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.

Children will be able to recognise the features of global warming.

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

They will compare geographical elements between a region of England to one in North or South America.

PSHE & Citizenship Mental Health, Wellbeing and Valuing Difference

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 their own changing moods.

Year 5 children will be able to recognise their strengths and weaknesses.

They will cope with their successes and understand the importance of making mistakes to deepen their learning.

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

Children will be able to describe their personal effectiveness and set realistic goals. They will understand school expectations and understand why school rules are needed.

Children will understand why and how rules and expectations have changed in light of Covid 19 and social distancing.

Children will understand the importance of the different types of community that they are part of and recognise the roles of other people in them.

Children will understand the different meanings of the word 'loss'; talk sensitively about loss; and develop strategies to cope with loss in different contexts.

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, multiple and divide whole numbers and decimals mentally using know facts.

Children will estimate and use inverses to check calculations.

Physical Education

Building Stamina and Developing Skills

Children will use running, jumping, throwing and catching in isolation and in combination. They will develop the attacking and defending skills needed to participate in competitive games through modified activities that promote social distancing.

Through our Silent Movie Dance Topic, the children will develop flexibility, strength, technique, control and balance.

They will respond to a range of stimuli, particularly musical accompaniment.

Children will use exaggerated gestures to perform as characters and communicate a range of emotions and movements e.g. humour, horror, suspense etc.

They will use simple choreographic devices e.g. unison, canon, repetition, question and answer, to communicate narrative

Religious Education Christianity and Judaism

Children will develop religious vocabulary to describe some key features of religions such as Judaism 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

Children will develop their understanding of pulse and beat through a popular song.

They will use instruments to both accompany the music and to improvise along with it.

They will learn about the instruments used within the song.

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.