

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

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

Children will begin refreshing their knowledge of basic grammar and writing expectations.

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.

Bringing Learning to Life Planetarium museum - London

Children will have an educational trip to the museum which will be linked to our topic about explorers. Children will take part in workshops as well as having the opportunity to explore the museum and ask questions to extend their understanding further. Children will be able to explore space and the solar system as well as finding out about famous explorers.

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 good.

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 know 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 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 learn a popular song and use this to develop their understanding of pulse and beat.

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.