

Year 5 Spring Term Curriculum Map (First Half)



MATHS

This half term, children will learn to calculate the area of various 2D shapes and understand scaling by working with scale factors and converting units of area. They will also develop skills in adding, subtracting, multiplying, and dividing decimal fractions, including rounding and solving word problems. **Key Vocabulary:** perimeter, area, regular polygon, multiplication, division, square units, decimals, fractions, rounding.

GEOGRAPHY

Children will be able to make an informed decision as to whether they would climb Mount Everest, using the knowledge gained across this unit. They will be able to discuss confidently reasons for their decision, basing this on factual evidence.

Key Vocabulary: glacier, crevasse, mountaineer, sherpa, Himalayas, Mount Everest, diverse (weather conditions), precipitation, climate

COMPUTING

Children will explore the concept of selection in programming through the use of the Crumble programming environment. They will learn how to connect and program components (including output devices- LEDs and motors) through the application of their existing programming knowledge. **Key Vocabulary:** earth, space, reliable, database, information, data, planets

FRENCH

Children will learn about where they live and which rooms they have and do not have in their homes in French. They will develop their ability to create independent responses.

Key Vocabulary: Où habites-tu ? J'habite dans... une maison un appartement en ville dans un village

ENGLISH

Children will then explore writing their own internal monologues, diary entry and flashback based on the book *The Last Bear* by Hannah Gold. Children will then look at *Hidden Figures* –and create a balanced argument & persuasive letter after half term.

Key Vocabulary monologue, relative clauses, reflect, evaluate, parenthesis, figurative language, comparison

MUSIC

The children will learn about Baroque and Classical music, instruments and composers through listening, performing and composing. They learn about the structure of sonata form and how to develop and organise musical ideas within this structure.

Key Vocabulary: Baroque Chacona ground bass cornett harpsichord Sonata Tarquinio Merula Darmenico Scarlatti ternary form

RE

Children will be able to explain the place of Incarnation and Messiah within the 'big story' of the Bible Identify Gospel and prophecy texts. They will also make connections between biblical texts, Incarnation and Messiah.

Key Vocabulary: Jewish, tradition, identity, beliefs, Sacred, God, Hashem, Priest, Torah, Sacred texts, Psalms, Genesis

SCIENCE

Children will describe the sun, earth and moon as approximately spherical bodies. They will learn about the movement of the earth, and other planets, relative to the sun in the solar system.

Key Vocabulary: solar system, night, day, orbit, spin, spherical, axis, moon, satellite.

PE

Children will develop their flexibility, strength, technique, control and balance, through health-related exercises and gymnastics.

Key Vocabulary: stretch, muscles, fitness, cardio, endurance

PSHE / RSE

Children will be able to describe some of the benefits and consequences of taking risks. They will also start to recognise how their responsibilities are changing and when to get help from an adult.

Key Vocabulary: mental health, risk taking, safety, support network.

DT

Children will spend the half term creating a model of a moon buggy. They will learn how to cut materials with precision and refine the finish with appropriate tools. Select and use a range of materials/components according to functional and aesthetic qualities. **Key words:** sanding, precise, cut, drilling, gluing, cutting, designer, design, construction, evaluate, frame, axles, wheels