

Learning Outline

Year 4: Spring Term 2023-24

English	Key Text: <i>The Creature – Plastic in the Ocean</i> 'Secrets of a Sun King' by Emma Carroll What we will use: • Precise use of nouns, adjectives, verbs, adverbs and modal verbs • Fronted adverbials, adverbial phrases • Extending the range of sentences with more than one clause by using a range of conjunctions (inc. using subordinate conjunctions to show contrast) • Relative clauses • Using and punctuating direct speech (including quotes) • The difference between plural s and possessive -s • Noun phrases expanded by modifying adjectives, nouns and preposition phrases • The use of paragraphs to organise ideas around a theme We will write: Non-fiction: Newspaper Report Non-Fiction: Diary See Spelling Long Term Plan for further info
Maths	Multiplication and division This term we will build on our understanding of multiplication and division from the Autumn term. We will look at: identifying factors of a given number; multiplying and dividing by 10 and 100; finding related multiplication and division facts and using these to solve problems in real world context. We will also use informal and formal written methods to find the product of 2 and 3 digit numbers multiplied by 1 digit and finally use partitioning to find the answer to division questions including remainders. Length and perimeter We will consider the appropriate units of measurement for different scenarios and convert between metres and kilometres. We will then focus measuring the perimeters of rectangles and polygons and calculate the lengths of missing sides when given the total perimeter. Fractions Beginning with the understanding of a whole we will use number lines and partitioning to count beyond 1 and develop an understanding of mixed numbers. We will then compare and order a set of mixed numbers and convert them to and from improper fractions to allow us to find equivalent fractions. We will add and subtract one or more fractions and combine this with mixed numbers and parts of a whole to solve simple problems. Decimals Using our understanding of multiplying and dividing by 10 and 100 we will look at representing numbers as tenths and hundredths. Using number lines we will place numbers in order of size and compare and represent these as decimals and fractions.

Science	States of matter We will compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and research the temperature at which this happens in degrees Celsius (°C). We will identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. Living things and their habitats We will learn that all living things have to do certain things to stay alive (life processes). We will use classification keys to help us identify living things and understand that they can be grouped according to different criteria; including: where they live, what type of organism they are and what features they have. Finally, we will consider how habitats can change throughout the year and this can have an effect on the plants and animals that live there.
Latin	In our Latin learning we will focus on the grammatical use of the verb 'to be'. We will also learn about the myth of Hercules. We will use Latin to describe themselves and also be introduced to Latin within scientific classification and will learn Latin adjectival agreement in relation to gender.
PE	Dance Tag Rugby Hockey Maypole Dancing
PSHE & Relationships education	Don't forget to let love in! In this unit we look at ways we feel loved, celebrate our strengths and achievements. We appreciate the uniqueness of our bodies and the importance of washing our hands. Too much Selfie isn't healthy! In this unit we learn that we are important, but knowing other people are just as important too. As we become aware of the people around us, we will consider their needs as well as our own to allow our and their hearts to grow stronger.
Music	Plastic – The children will learn a song with a Hip Hop beat about the problem of plastic in the ocean. Children will explore pitch, tempo, dynamics and will write and perform their own raps. Blackbird by The Beatles The Beatles helped to reshape Western Pop music in the 1960s and are one of the most successful bands ever. Blackbird is about a black woman, in support of the Black Power Movement. Children will explore pitch, tempo, dynamics and will compose including the use of a hook, riff along with a melody.
Design Technology	Tomb builders (Mechanisms) During this project we will learn about simple machines, including wheels, axles, inclined planes, pulleys and levers, exploring how they helped ancient builders to lift and move heavy loads.
Art and Design	Statues, statuettes and figurines We will learn about the 3-D representation of the human form, including statues, statuettes and figurines. We will study examples from the ancient Egyptian civilisation, and use clay skills to create a Sumer-style figurine.

RE	How and why do people show their commitments during the journey of life? We will learn from different religious and spiritual ways of life, relating to milestones on the journey of life. Through exploring baptism, Barand Bat Mitzvavor Hindu samskaras and marriage, we explore how and why people show their commitments during the journey of life.
Computing	Programming A – Repetition in shapes In this unit we look at repetition and loops within programming. Using Logo, a text-based programming language, we will create programs by planning, modifying, and testing commands to create shapes and patterns. Data and information – Data logging In this unit, we will consider how and why data is collected over time. We will collect data as well as access data captured over long periods of time. We will look at data points, data sets, and logging intervals. Using a computer we will review and analyse data before posing questions and then use data loggers to automatically collect the data needed to answer those questions.