Year 5	Summer 1	Summer 2
Maths	**Decimals** Adding and subtracting decimal Decimal sequences Multiplying and dividing decimals by 10, 100 and 1000 **Properties of Shape** Identify angles Comparing and ordering angles Drawing and calculating angles Triangles Quadrilaterals Regular and irregular polygons	**Position and Direction** Describe position using coordinates To translate shapes Complete symmetrical figures Reflect with coordinates **Converting units** KG, KM, MM, ML Metric units Imperial units
English	**Cosmic** Children will explore and discuss narratives. They go on to create a number of varied written outcomes using the text as a starting point including narratives, dialogue, character descriptions, setting descriptions before using the ideas and authorial devices identified within the text to plan, draft, edit and publish their own funny narrative.	**One Small Step** Children will explore a narrative through video. Throughout, children will be gathering information and building the skills towards writing a narrative based around the video.
Science	**Living things and their habitats** As part of their life cycle, plants and animals reproduce. Most animals reproduce sexually. This involves two parents where the sperm from the male fertilises the female egg.	**Animals including humans** When babies are young, they grow rapidly. They are very dependent on their parents. As they develop, they learn many skills (including walking, talking).

	Animals, including humans, have offspring which grow into adults. In humans and some animals, these offspring will be born live, such as babies or kittens, and then grow into adults. In other animals, such as chickens or snakes, there may be eggs laid that hatch to young which then grow to adults. Some young undergo a further change before becoming adults e.g. caterpillars to butterflies. This is called a metamorphosis. Plants reproduce both sexually and asexually. Bulbs, tubers, runners and plantlets are examples of asexual plant reproduction which involves only one parent. Gardeners may force plants to reproduce asexually by taking cuttings. Sexual reproduction occurs through pollination, usually involving wind or insects: Pollen is produced in the anther which is part of the stamen. This is carried by insects or blown by the wind from one flower to the stigma of another. This process is called pollination.	At puberty, a child's body changes and develops primary and secondary sexual characteristics. This enables the adult to reproduce. This needs to be taught alongside PSHE. The new statutory requirements for relationships and health education can be found below: • statutory guidance on Physical health and mental wellbeing (primary and secondary). Other useful guidance includes: • Joint briefing on teaching about puberty in KS2 from PHSE Association and Association for Science Education • Briefing on humans development and reproduction in the Primary Curriculum from PHSE Association and Association for Science Education.
Computing	Programming - Selection in quizzes In this unit, pupils develop their knowledge of 'selection' by revisiting how 'conditions' can be used in programming, and then learning how the 'if… then… else...' structure can be used to select different outcomes depending on whether a condition is 'true' or 'false'. They represent this understanding in algorithms, and then by constructing programs using the Scratch programming environment. They learn how to write programs that ask questions and use selection to control the outcomes based on the answers given. They use this knowledge to design a quiz in response to a given task and implement it as a program. To conclude the unit, learners evaluate their program by identifying	Programming - Selection in physical computing In this unit, learners will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. Learners will be introduced to a microcontroller (Crumble controller) and learn how to connect and program components (including output devices — LEDs and motors) through the application of their existing programming knowledge. Learners will be introduced to conditions as a means of controlling the flow of actions, and explore how these can be used in algorithms and programs through the use of an input device (push switch). Learners will make use of their knowledge of repetition and conditions when

	how it meets the requirements of the task, the ways they have improved it, and further ways it could be improved.	introduced to the concept of selection (through the 'if... then...' structure) and write algorithms and programs that utilise this concept. To conclude the unit, learners will design and make a working model of a fairground carousel that will incorporate their understanding of how the microcontroller and its components are connected, and how selection can be used to control the operation of the model. Throughout this unit, pupils will apply the stages of programming design.
RSHE	**Being My Best** Know two harmful effects each of smoking/drinking alcohol. Explain the importance of food, water and oxygen, sleep and exercise for the human body and its health. Know the basic functions of the four systems covered and know they are inter-related. State what is meant by community; Explain what being part of a school community means to them Identify people who are responsible for helping them stay healthy and safe Describe 'star' qualities of celebrities as portrayed by the media;	**Growing and Changing** Use a range of words and phrases to describe the intensity of different feelings Distinguish between good and not so good feelings, using appropriate vocabulary to describe these; Identify people who can be trusted; Understand what kinds of touch are acceptable or unacceptable; Know the correct words for the external sexual organs; Identify some products that they may need during puberty and why; Know what menstruation is and why it happens. Explain the difference between a safe and an unsafe secret;

	Recognise that the way people are portrayed in the media isn't always an accurate reflection of them in real life	
Geography		**Equador** Where is Ecuador located and where are its major cities? Can I use digital maps to locate features in Quito? How does Quito compare to my city How does Fairtrade improve the lives of women in Qualisa? How do earthquakes and volcanoes affect people in Ecuador? Can I summarise what life is like for people in Ecuador?
History	**A non-European society that provides contrasts with British history** Benin	
Art	**Robin Wight - wire sculptures** Children will be taught to develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design. Children will have the opportunity to draft designs, make sculptures and evaluate their own work.	
DT		**Electrical structure** Gather information about needs and wants, and develop design criteria to inform the design of products that are fit for purpose, aimed at particular individuals or groups.

		-Generate, develop, model and communicate realistic ideas through discussion and, as appropriate, annotated sketches, cross-sectional and exploded diagrams. -Order the main stages of making. -Select from and use tools and equipment to cut, shape, join and finish with some accuracy. -Select from and use materials and components, including construction materials and electrical components according to their functional properties and aesthetic qualities. Evaluating -Investigate and analyse a range of existing battery-powered products. -Evaluate their ideas and products against their own design criteria and identify the strengths and areas for improvement in their work. Technical knowledge and understanding -Understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs and buzzers. -Apply their understanding of computing to program and control their products.
RE	**Wise words** Children will explore the origins of sacred writings and consider their importance for believers today. Christianity/Islam	**Values and beliefs** Children will investigate the life of a person who has been inspired by their faith and make links between belief and action. We will be covering Christianity, Islam and Hinduism
Music	How does music shape our way of life?	How does music connect us with the environment?
Spanish	**Feeling unwell/jungle animals**	**Weather/ ice creams**

	Through songs, games and independent tasks, they will explore the following content, topics and language: •Body part nouns and feeling unwell role play •Revisit colours -Singular nouns for jungle animals -Familiar and unfamiliar adjectives to describe animals -Follow and understand a simple story -Sequence and join in with retelling a story -Write simple sentences in Spanish, using nouns, adjectives and the conjunction “and”.	