Bletchingley Village Primary School

Curriculum Map: Year 4, Autumn 2 **Educational Visits (where appropriate):**			
Subject	**Unit: Destination Question and Key Learning**	**Key vocabulary**	**Home learning**
Maths	**If your child receives alternative provision for Maths, you will receive a more appropriate and individualised summary.** **Perimeter** • To know that a regular polygon has sides that are all the same length and interior angles that are all equal in size. • To know that the perimeter is the distance around the edge of a 2D shape. • To know that different shapes can have the same perimeter. • To know that the perimeter is measured in units of length and can be found by counting units. • To know that the perimeter can be calculated by adding together the side lengths of a 2D shape. • To know that the perimeter of a rectangle can be calculated by addition and multiplication. • To know that unknown side lengths can be calculated from perimeter and known side lengths. • To know that the perimeter of a regular polygon can be calculated by multiplication. • To know that the side length of a regular polygon can be calculated by division where the perimeter is known. **3, 6, 9 times tables** • To represent counting in threes as the three times tables. • To explain the relationship between adjacent multiples of three. • To use knowledge of the three times tables to solve problems. • To represent counting in sixes as the six times tables. • To explain the relationship between adjacent multiples of six. • To use knowledge of the six times tables to solve problems.	regular polygon perimeter angle length equal interior distance shorter longer edge two-dimensional groups altogether factor times product represent multiplied equation kilometre measure compare sum multiple area square centimetres square metres width millimetre centimetre metre divide equal even double halve	**Hit the button** Hit the Button - Quick fire maths practise for 6-11 year olds (topmarks.co.uk) **Maths frame** mathsframe.co.uk/en/resources/category/22/most-popular **Times tables** Multiplication Tables Check - 2023 - Timestables.co.uk **Oak academy** Maths, primary, Year 4 - Lesson listing | Oak National Academy (thenational.academy)

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	• To use known facts from the five times table to solve problems involving the six times table. • To represent counting in nines as the nine times tables. • To explain the relationship between adjacent multiples of nine. • To use knowledge of the nine times tables to solve problems.		
English	**If your child receives alternative provision for English, you will receive a more appropriate and individualised summary.** **Text:** Why dragons are extinct (explanation text) Using general statements to introduce a topic, using a series of logical steps to explain how or why something occurs, interest the reader by using a title that captures interest.		
Science	**Electricity and circuits** • That all electrical appliances need a power source, including batteries or mains electricity. • That an electrical circuit needs a complete path for the electrical charge to flow through. • The main components in a series circuit. • The precautions for working safely with electricity. • That some materials allow electric charge to pass through them quickly and these are known as electrical conductors (e.g. metals). • That some materials do not allow electrical charge to pass through them easily and these are known as electrical insulators (e.g wood and plastic). • That metals are used for cables and wires because they are good conductors of electricity. • That plastic is used to cover cables and wires because it is a good insulator. • That an open switch breaks a series circuit so the components will be off. • That a closed switch completes a series circuit so the components will be on. • The relationship between bulb brightness and the number of bulbs in a circuit.	ammeter appliance battery bulb buzzer cell circuit component electrical conductor electrical insulator electricity hazard mains material motor power source precaution property safety series circuit switch wire	**Oak Academy** Science, primary, Year 4 - Lesson listing | Oak National Academy (thenational.academy) **BBC Bitesize** Year 4 Electricity - Year 4 Science - BBC Bitesize
Geography	**Why are rainforests important to us?**	analyse biome lianas lines of latitude	

	Key questions: • Where in the world are tropical rainforests? • What is the Amazon rainforest like? • Who lives in the rainforest? • How are rainforests changing? • How is our local woodland used?	buttress roots canopy layer community data deforestation drought emergent layer enquiry Equator forest floor global warming greenhouse gas indigenous interpret logging method mining present questionnaire quote risk route summarise Tropic of Capricorn Tropic of Cancer understorey layer vegetation	
RE	**Christianity** What did Jesus say about God's kingdom and why is it 'good news'?		
DT	**Textiles: Fastenings** **Unit outcomes:** • Identify the features, benefits and disadvantages of a range of fastening types. • Write design criteria and design a sleeve that satisfies the criteria. • Make a template for their book sleeve. • Assemble their case using any stitch they are comfortable with. **Key skills:** • Writing design criteria for a product, articulating decisions made. • Designing a personalised book sleeve. • Making and testing a paper template with accuracy and in keeping with the design criteria. • Measuring, marking and cutting fabric using a paper template. • Selecting a stitch style to join fabric. • Sewing neatly using small regular stitches. • Incorporating a fastening to a design.	Criteria Fabric Fastening Fix Mock-up Stitch Template	

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	• Testing and evaluating an end product against the original design criteria.		
Music	**How does music connect us with our past?** • Singing and listening are at the heart of each lesson. • Play, improvise and compose using a selection of these notes: C, D, E, F, F♯, G, A, B♭, B	Minim Crotchet Quaver Beat Bar Sharp Major improvise	
Computing	**Creating media- Audio production** **Unit outcomes:** • To identify that a sound can be recorded. • To explain that audio recordings can be edited. • To recognise the different parts of creating a podcast project. • To apply audio editing skills independently. • To combine audio to enhance a podcast project. • To evaluate the effective use of audio.	input device audio recording output podcast edit project exporting	
PSHE	**Citizenship** **Unit outcomes:** • Understand what human rights are and why they are important. • Understand how reusing items benefits the environment. • Understand the range of groups that exist in the wider community. • Understand how community groups can focus on different areas of interest. • Understand that diversity supports a community to work effectively. • Understand the role of local councillors.	Authority Cabinet Community Council Council officer Diversity Environment Human rights Local government Protect Reuse United Nations/UN Volunteer	
French	**French adjectives of colour, shape and size** **Unit outcomes:** • Listen carefully to build correct sequences of three to four blocks. • Show understanding by correctly identifying a described shape, drawing it in the air or pointing on the board. • Recognise cognates. • Use please and thank you. • Listen carefully to instructions. • Describe some of the shapes in their work using language of colour, size or shape. • Listen and then select the correct decoration according to its colour.	rouge bleu jaune vert orange un cercle un triangle un carré un rectangle grand petit c'est	