Year 5 Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Rivers of the World	**Raiders or Traders?**	**Marvellous Mayans**	**Fair Trade**	**Rebuilding Britain**	**Magnificent Mountains**
Key Texts	**Beowulf** *Michael Morpurgo*		**Charlie and the Chocolate Factory** *Roald Dahl*	**Off Side** *Tom Palmer*	**Coming to England** *Floella Benjamin*	**The Arrival** *Shaun Tan*
English	**P:** Jabberwocky **F:** Journey story **NF:** Water cycle-journey of a rain drop	**F:** Legends **NF:** Historical recount **P:** Beowolf	**F:** Playscript **NF:** balanced argument, persuasive advert & Trip Advisor review	**F:** Rags to Riches narrative **NF:** Diary	**F:** Sequel to Coming Home **NF:** newspaper report **P:** Caribbean poetry-Benjamin Zephaniah	**F:** Creative writing based on The Arrival **NF:** Non-chronological report
Maths	**Number: Place Value** Number to 10,000. Roman numerals to 1,000. Round to the nearest 10, 100 and 1000. Number to 100,000. Compare and order numbers to 100,000. Round numbers within 100,000. Numbers to a million. Counting in 10s, 100s, 1,000s, 10,000s and 100,000s. Compare and order numbers to a million. Round numbers to a million. Negative numbers. **Number: Addition and Subtraction** Add whole numbers with more than 4-digits (column method). Subtract whole numbers with more than 4-digits (column method). Round to estimate and approximate. Inverse operations (addition and subtraction). Multi-step addition and subtraction problems. **Statistics** Read and interpret line graphs. Draw line graphs. Use line graphs to solve problems. Read and interpret tables. Two way tables. Timetables.	**Number: Multiplication and Division** Multiples. Factors. Common factors. Prime numbers. Square numbers. Cube numbers. Multiplying by 10, 100 and 1000. Dividing by 10, 100 and 1000. Multiples of 10, 100 and 1000. **Measurement: Perimeter and Area** Measure perimeter. Calculate perimeter. Area of rectangles. Area of compound shapes. Area of irregular shapes.	**Number: Multiplication and Division** Multiply 4-digits by 1-digit. Multiply 2-digits (area model). Multiply 2-digits by 2-digits. Multiply 3-digits by 2-digits. Multiply 4-digits by 2-digits. Divide 4-digits by 1-digit. Divide with remainders. **Number: Fractions** Equivalent fractions. Improper fractions to mixed numbers. Mixed numbers to improper fractions. Number sequences. Compare and order fractions less than 1. Compare and order fractions greater than 1.	**Number: Fractions** Add and subtract fractions. Add fractions within 1. Add 3 or more fractions. Add fractions. Add mixed numbers. Subtract fractions. Subtract mixed numbers. Subtract –breaking the whole. Subtract 2 mixed numbers. Multiply unit fractions by an integer. Multiply non-unit fractions by an integer. Multiply mixed numbers by integers. Fraction of an amount. Using fractions as operators. **Number: Decimals and Percentages** Decimals up to 2 d.p. Decimals as fractions Understand thousandths. Thousands as decimals. Rounding decimals. Order and compare decimals. Understand percentages. Percentages as fractions and decimals. Equivalent F.D.P.	**Number: Decimals** Adding decimals within 1. Subtracting decimals within 1. Complements to 1. Adding decimals – crossing the whole. Adding decimals with the same number of decimal places. Subtracting decimals with the same number of decimal places. Adding decimals with a different number of decimal places. Subtracting decimals with a different number of decimal places. Adding and subtracting whole and decimals. Decimal sequences. Multiplying decimals by 10, 100 and 1000. Dividing decimals by 10, 100 and 1,000. **Geometry: Properties of Shape** Measuring angles in degrees. Measuring with a protractor Drawing lines and angles accurately. Calculating angles on a straight line. Calculating angles around a point. Calculating lengths and angles in shapes. Regular and irregular polygons. Reasoning about 3D shapes.	**Geometry: Position and Direction** Position in the first quadrant. Reflection. Reflection with coordinates. Translation. Translation with coordinates **Measurements: Converting Units** Kilograms and kilometres. Milligrams and millilitres. Metric units. Imperial units. Converting units of time. Timetables. **Measurement: Volume** What is volume? Compare volume. Estimate volume. Estimate capacity.

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Science	**Forces-air/water resistance** Explain that unsupported objects fall towards the earth because of gravity. Explain the effects of water and air resistance and friction.	**Earth and Space** Describe movement of the earth and other planets relative to the sun. Describe the movement of the moon relative to the earth. Use the idea of the earth's rotation to explain day and night and the apparent movement of the sun across the sky.	**Solids, liquids and gases-Reversible and irreversible changes** Compare and group everyday materials Explain uses/suitability. Demonstrate and explain reversible/ irreversible changes. Know about solutions. Separate mixtures.		**Living Things** Describe the differences in life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.	**Birth to Old Age** Describe the changes as humans develop to old age.
History		**Vikings** The Viking and Anglo Saxon struggle for the Kingdom of England. Compare an aspect of life with the same aspect in another period. Examine causes and results of great events and the impact on people. Offer some reasons for different versions of events. Use evidence to build up a picture of a past event.	**Mayans** A non-European society that provided contrast with British history. Compare life in early and late 'times' studied. Select relevant sections of information.		**Rebuilding Britain** A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066. Study different aspects of different people - differences between men and women. Begin to identify primary and secondary sources.	
Geography	**Rivers** Name and locate counties and cities of the UK. Describe and understand key aspects of physical geography (rivers). Use maps, atlases and globes to locate countries. Compare 2 different regions in UK rural/urban. Locate and name the main counties and cities in England. Compare land use maps of UK from past with the present, focusing on land use.	*Settlements* *Explore types of settlements in Viking Britain linked to history.*		**Fair Trade** Locate the main countries in Europe South America. Locate and name principal cities. Identify the position and significance of longitude and latitude. Describe and understand key aspects of human and physical geography. Use maps, atlases and globes to locate countries. Compare a region in UK with a region in S. America with significant differences and similarities. Human geography including trade between UK and Europe and ROW Fair/unfair distribution of resources (Fairtrade).		**Mountains** Locate the worlds countries using maps. Describe and understand key aspects of physical geography. Use maps/atlases/ globes/computer mapping to locate countries and describe features. Name and locate the key topographical features of erosion of mountains. Understand how these features have changed over time.

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RE	**Why do some people go on pilgrimage?** Describe and explain some amazing, puzzling or mysterious experiences associated with places of pilgrimage. Suggest reasons why special places and journeys make people ask big questions about life. Express ideas about new insights pilgrims might gain from their journey.	**Should we forgive others?** Give a considered response to why it is hard to 'make up' or apologise in a conflict. Identify and explain their own ideas about Jesus' teaching regarding forgiveness and reconciliation. Discuss and give examples of how some modern individuals have faced the challenge of forgiveness.	**What values do people live by?** Identify and explain some of the moral teachings practised by religious communities and make connections between them. Compare religious ideas about right and wrong with non-religious worldviews such as Humanism. Apply ideas about values and how religious and non-religious people choose to live their lives.	**What is the significance of Easter, Ascension and Pentecost?** Weigh up different ideas about Jesus' resurrection, considering Gospel narratives. Summarise Christian beliefs about Jesus' kingship and the Kingdom of God. Show understanding of these terms and weigh up what they mean for Christians. Explain how and why Pentecost is celebrated today.	**What do Christians believe about the old and new convenance?** Define the word 'covenant' and give an example. Summarise narratives about Moses, the Ten Commandments, the Kingdom (including David) and Jesus, making connections between stories and the idea of a covenant between God and the people. Compare and contrast aspects of Christianity, Judaism and Islam, especially in relation to Abraham and Jesus.

PSHCE	**Relationships**		**Living in the wider world**	**Health and wellbeing**
	Families and friendships Managing friendships and peer influence **Safe relationships** Physical contact and feeling safe **Respecting ourselves and others** Responding respectfully to a wide range of people; recognising prejudice and discrimination		**Belonging to a community** Protecting the environment; compassion towards others **Media literacy and digital resilience** How information online is targeted; different media types, their role and impact **Money and work** Identifying job interests and aspirations; what influences career choices; workplace stereotypes	**Physical health and mental wellbeing** Healthy sleep habits; sun safety; medicines, vaccinations, immunisations and allergies **Growing and hanging** Personal identity; recognising individuality and different qualities; mental wellbeing **Keeping safe** Keeping safe in different situations, including responding in emergencies, first aid and FGM

Art	**Monet** Explore expressionism and use water colours to create own version of 'Water Lillies'.			**Textiles-Fair Trade** Design a logo for Fair Trade and print onto a calico bag.	**Observational Art/Sculptures** Explore work of Henry Moore and Barbara Hepworth-sketch and recreate sculptures .	
DT		**Mechanisms: Viking Longship** Explore cams, levers and pulleys.	**Food tech: Bread** Select, weigh, mix and cook ingredients Understand food hygiene and safety.			**Structures: Shelters** Use materials to practise drilling, screwing, gluing and nailing to produce a mountain shelter.
Computing	**Systems and searching** Recognising IT systems in the world and how some can enable searching on the internet.	**Video production** Planning, capturing, and editing video to produce a short film.	**Selection in physical computing** Exploring conditions and selection using a programmable microcontroller.	**Flat-file databases** Using a database to order data and create charts to answer questions.	**Introduction to vector graphics** Creating images in a drawing program by using layers and groups of objects.	**Selection in quizzes** Exploring selection in programming to design and code an interactive quiz.
MfL	**Countries and nationalities** **¿De dónde eres?** Ask and answer questions using the topic vocabulary.	**The weather** **¿Qué tiempo hace?** Ask and answer questions using the topic vocabulary.	**My family** **Cuántas personas hay en tu familia?** Ask and answer questions using the topic vocabulary.	**What language I can speak** **Qué idiomas hablas?** Ask and answer questions using the topic vocabulary.	**Where do you live** **Dónde vives?** Ask and answer questions using the topic vocabulary.	**In my town** **Qué hay en tu pueblo?** Ask and answer questions using the topic vocabulary.

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	Say where you live. Say your nationality.	Use weather phrases to describe the weather. Say what is the weather like in different countries.	Say how many relatives are in your family. Say names of relatives. Say age of relatives.	Say what languages you speak and your nationality.	Say where you live.	Say what there is in your town.
PE	**Dodgeball** Use running, jumping, throwing and catching in isolation and in combination. Play competitive games, modified where appropriate, and apply basic principles suitable for attaching and defending. Develop flexibility, strength, technique, control and balance. Compare their performances with previous ones and demonstrate improvement to achieve their personal best.	**Gymnastics** Develop flexibility strength, technique, control and balance. Compare performances with previous ones and demonstrate improvements to achieve their best.	**Dance** Develop flexibility, strength, technique, control and balance. Compare their performances with previous ones and demonstrate improvement to achieve their personal best.	**OAA** Develop flexibility, strength, technique, control and balance. Take part in outdoor and adventurous activity challenges both individually and within a team. Compare their performances with previous ones and demonstrate improvement to achieve their personal best.	**Athletics** Use running, jumping, throwing and catching in isolation and in combination. Develop flexibility, strength, technique, control and balance. Compare their performances with previous ones and demonstrate improvement to achieve their personal best.	**Netball** Use running, jumping, throwing and catching in isolation and in combination. Play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending. Develop flexibility, strength, technique, control and balance. Compare their performances with previous ones and demonstrate improvement to achieve their personal best.
Music	**Melody and Harmony in Music** Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E♭, E, F, F♯, G, A, A♭, B♭, B	**Sing and Play in Different Styles** Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E♭, E, F, F♯, G, A♭, A, B♭, B	**Composing and Chords** Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E♭, E, F, F♯, G, A♭, A, B♭	**Enjoying Musical Styles** Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E, E♭, F♯, F, G, A♭, A, B♭	**Freedom to Improvise** Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E♭, E, F, F♯, G, A, B♭, B	**Battle of the Bands!** Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E♭, E, F, F♯, G, G♯, A♭, A, B♭