



South Hill Primary School
Curriculum Overview
 Year 5: Silver Birch and Oak



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English	We will study the following topics: <ul style="list-style-type: none"> Traditional Tales and Legends Recounts Free Verse Poetry 	We will study the following topics: <ul style="list-style-type: none"> Traditional Tales and Legends Explanation Texts Cinquain Poetry 	We will study the following topics: <ul style="list-style-type: none"> Suspense and Mystery Persuasion Free Verse Poetry 	We will study the following topics: <ul style="list-style-type: none"> Suspense and Mystery Instructions Rap Poetry 	We will study the following topics: <ul style="list-style-type: none"> Literary Heritage Reports Free Verse Poetry 	We will study the following topics: <ul style="list-style-type: none"> Literary Heritage Discussion Poetry Appreciation
Maths	We will study the following topics: <ul style="list-style-type: none"> Place Value and Rounding of Large Numbers Interpret Negative Numbers Place Value of Numbers with up to Three Decimal Places Multiply and Divide by 10, 100 and 1,000 Properties of Number – Multiples, Factors and Common Factors Prime and Composite Numbers Multiply and Divide Mentally Solve Problems Involving Knowledge of Key Facts Add and Subtract Using a Range of Strategies 	We will study the following topics: <ul style="list-style-type: none"> Add and Subtract Using Formal Written Methods Formal Written Method for Multiplication Formal Written Method of Short Division Equivalent Fractions Compare and Order Fractions Adding and Subtracting Fractions 	We will study the following topics: <ul style="list-style-type: none"> Problem Solving – All Four Operations Multiply Fractions by Whole Numbers Fraction Problem Solving Measure – Converting Units of Measure Area Volume and Capacity Percentages 	We will study the following topics: <ul style="list-style-type: none"> Problem Solving – Percentages 3-D Shapes from 2-D Representations Reflection and Translation Perimeter Estimate, Compare, Measure and Draw Angles Identify Unknown Angles 	We will study the following topics: <ul style="list-style-type: none"> Formal Methods for Division and Multiplication in Increasingly Complex Problems Strategies for Multiplication and Division (Mental and Written) Solving Problems involving Scaling by Simple Fractions and Rates Conversion of Imperial and Metric Units of Measure Fractions, Decimals and Percentages Problem Solving Reading Timetables and Calculating with Time 	We will study the following topics: <ul style="list-style-type: none"> Solve Problems involving the Four Operations Distinguish between Regular and Irregular Polygons Use Properties of Rectangles Statistics – Solve Comparison, Sum and Difference Problems using Information in a Line Graph Statistics – Interpreting and Evaluating Information Presented in Charts and Tables Roman Numerals



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Science	<p><u>Properties of materials</u> We will learn to compare and group together everyday materials based on their properties and learn to how to separate solids, liquids and gases.</p>	<p><u>Earth and Space</u> We will learn to recognise and locate components of the solar system and describe the movement of the Earth, and other planets, relative to the Sun in the solar system.</p>	<p><u>Properties of materials</u> We will continue to learn about the properties of material and will learn that some changes can result in a new material. This leads on to understanding and being able to use the terms 'reversible' and 'irreversible'.</p>	<p><u>Forces</u> We will learn about the different forces that can act on objects. We will also learn what gravity, air and water resistance is and how they acts upon something. We will explore products that use levers, pulleys, gears and/or springs and explore their effects.</p>	<p><u>Living things and their habitats</u> We will learn to recognise the similarities in the life cycles of plants, animals and humans and describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</p>	<p><u>Animals and humans</u> We will learn about growth and development over human life including puberty. We describe how humans change and develop from birth to old age and how they stay the same/similar.</p>
Computing	<p><u>Computer Systems – Sharing Information</u> We will learn to understand the concept of a system and how large computer systems work in real life situations.</p>	<p><u>Vector Drawing</u> We will learn to create digital drawings with increasing complexity.</p>	<p><u>Programming A - Selection in Physical Computing</u> We will learn to construct simple programs and design sequences of actions.</p>	<p><u>Programming B – Selection in quizzes</u> We will learn how to use 'conditions' in programming, in order to design and make a quiz, using the Scratch software.</p>	<p><u>Flat-file Databases</u> We will compare paper and computer-based databases and learn to use databases to record compare information.</p>	<p><u>Video Editing</u> We will learn how to create short videos in groups by capturing, editing and manipulating video.</p>
History	<p><u>The Vikings</u> We will study the Viking and Anglo-Saxon struggle for the Kingdom of England up to the time of Edward the Confessor.</p>		<p><u>The Egyptians</u> We will study the achievements of one of the earliest civilizations – Ancient Egypt, and learn to be able to describe key events.</p>		<p><u>Local History Study</u> We will learn to understand and appreciate that significant events in history have helped shape the country and specifically our town by comparing maps and photographs and exploring how Hemel Hempstead has changed in appearance and land use since WWII.</p>	
Geography		<p><u>Map Skills</u> We will learn how to use atlases to locate and name places around the world and make detailed sketch maps.</p>		<p><u>South America (vs UK)</u> We will study the continent of South America and explain some of the physical and human geographical features and compare these to the UK.</p>		<p><u>Water Cycle and Rivers</u> We will learn about the stages of the water cycle and the importance of water and in particular rivers. We will conduct fieldwork to collect information about the River Gade and use this within a report.</p>
Art	<p><u>Drawing</u> We explore how to use range of artistic skills such as marks, lines, space, colour to produce texture, create mood and</p>	<p><u>Use of IT</u> We will learn to create art work which integrates digital images, graphics and texts.</p>	<p><u>Mouldable Materials</u> We will learn to sculpt and experiment with materials to design and make a 3D form.</p>	<p><u>Textiles</u> We will use new sewing skills to decorate our bag with applique and embroidery with inspiration from Peruvian weaving.</p>		<p><u>Painting</u> We will explore different techniques used to create different moods within paintings and sketches. David Hockney Style</p>



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	represent figures and forms in movement.					
Design and Technology		Cooking and Nutrition We will explore different breads from around the world and bake our own bread ensuring we follow health and safety and hygiene procedures and aim to present the bread well.	3D model We will practise refining and further improving a product.	Textiles We will learn how to design and create a bag using sewing skills as the joining technique.		Mechanical Components/ Stiff and Flexible Sheet Materials We will explore hydraulics and pneumatics and use these mechanical components to build a working bridge.
Music	What shall we do with the Drunken Sailor (Sing Up Unit) We will learn to describe, compare and evaluate music using musical vocabulary and contrast the work of famous composers.	Introduction to Song writing We will continue to learn to appraise a variety of music and learn to sing using understanding to add expression.	Music specialist teaching: Glockenspiels and Ukuleles We will learn to perform 'by ear' and from simple notations.	Music specialist teaching: Glockenspiels and Ukuleles We will learn to compose music, record using notations, consider tempo and evaluate their work.	Building a Groove (sing Up Unit) We will learn to perform and maintain our part whilst others perform a different part.	Introduction to Songwriting We will learn how to breathe in the correct place and suggest improvements to our own and others' work.
Religious Education	Hinduism We will study Hinduism through the big question: What is the best way for a Hindu to show commitment to God?	Christianity We will study Christianity through the big question: Is the Christmas Story true?	Hinduism We will study Hinduism through the big question: How can Brahman be everywhere and in everything?	Christianity We will study Christianity through the big question: How significant is it for Christians to believe God intended Jesus to die?	Hinduism We will study Hinduism through the big question: Do beliefs in Karma, Samsara and Moksha help Hindus lead good lives?	Christianity We will study Christianity through the big question: What is the best way for a Christian to show commitment to God?
Physical Education	Gymnastics and Tag Rugby We will focus on developing our skills in these sports.	Dance and Football We will focus on developing our skills in these sports.	Gymnastics and OAA We will focus on developing our skills in these sports.	Dance and Netball We will focus on developing our skills in these sports.	Tennis and Athletics We will focus on developing our skills in these sports.	Rounders and Cricket We will focus on developing our skills in these sports.
PSHE	'NO OUTSIDERS' SCHEME We will follow the whole school 'No Outsider's scheme' We will read 6 books which will help us to think about how we treat and value everyone equally, even when we disagree.		Picture News SCHEME We will follow Picture News to develop understanding of British Values and to focus on personal development.		Christopher Winter project – Drugs/Relationships We will follow the 'Christopher Winter' project to learn about Drugs and Relationship education.	
MFL French	Phonetics and essential vocabulary We will revisit and develop our use of essential vocabulary and learn new phonetic sounds of the French language.	Boucle d'Or Et Les Trois Ours Goldilocks and the three bears We will develop our speaking and listening skills through the story of Goldilocks and the Three Bears.	Les Saisons The Seasons We will learn to talk about the weather and the seasons.	Dans la jungle In the Jungle We will learn to talk about animals we would find in the jungle.	Je Peux can La Famille The Family We will learn a variety of verbs and link this to our previous learning of family.	Les vêtements The clothes We will learn clothing vocabulary and how to talk about clothes you wear in different seasons.