

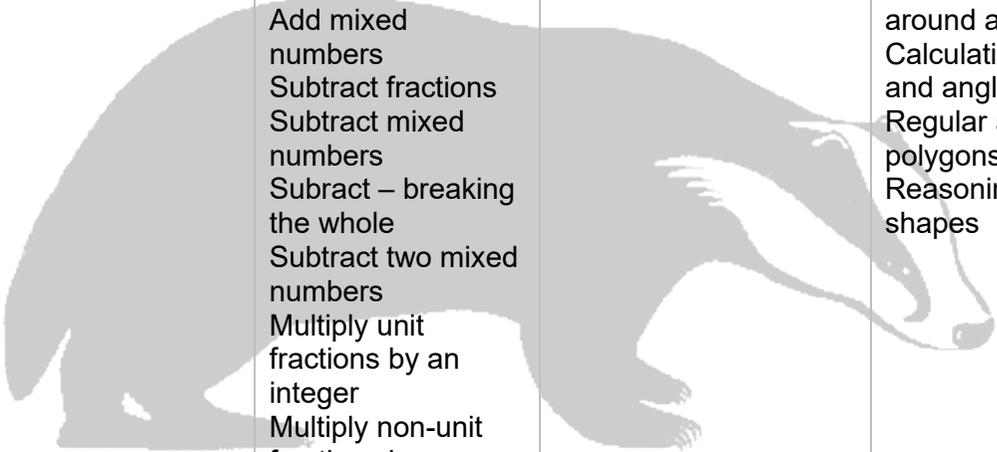


Birch Hill Primary School Curriculum Map

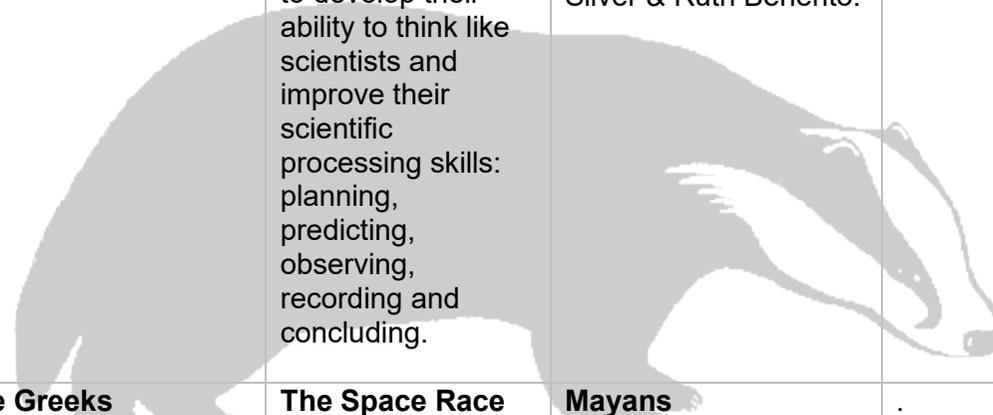
Year 5 – September 2024

Topic Focus	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p>How are mountains formed?</p> <p>Geography focus: maps, atlases, globes and internet searches. Focus on 2 areas, the Grampian region and the Rocky Mountains</p>	<p>Where would we be without the Greeks?</p> <p>History focus: achievements as well as making connections with sport, art, philosophy, architecture and theatre. Ideas of government and democracy.</p>	<p>Are we alone?</p> <p>Science and History focus Earth rotation, day and night, movement of Earth relative to the Sun, and Moon relative to Earth, solar system.</p> <p>Friction, gravity, drag and resistance.</p>	<p>What happened to Mayans?</p> <p>History: Mayans Learn time period of Mayan civilization and distinctive eras within this. Learn about the architectural and the religious significance of buildings. Achievements of the Mayan mathematicians and astronomers, and the development of a sophisticated system of calendars.</p>	<p>How do life cycles vary?</p> <p>Science focus: life cycles appreciating variety of life and how it can be supported.</p>	<p>Why has Bracknell changed?</p> <p>Geography focus: Locate and names counties and cities within the United Kingdom; human & physical characteristics of Berkshire and how it has changed; Compare Berkshire with elsewhere.</p>
English	<p>Genre: Narrative Write a narrative setting description. Figurative language and sentence construction for effect.</p>	<p>Genre: Narrative – Myths Understanding the narrative structure of a traditional Greek myth. Explore and write Greek myths, using drama and role play.</p>	<p>Genre: Poetry Identify key features of poetry – limericks, haiku, tanka, Rhyming couplets and free verse. Focus on literary devices used within poetry.</p>	<p>Genre: Non-Fiction Knowledge Organiser Learn many different aspects of the Mayan civilization through non-fiction texts. Convert information found into a formal report.</p>	<p>Genre: Ignite Speeches Learning persuasive techniques to write a speech. Using oracy skills to present speech to an audience.</p>	<p>Genre: Poetry: Highwayman Oracy Interpreting and performing the poem.</p> <p>Writing a recount in the style of an internal monologue.</p>

Guided Reading	Everest	Who Let the Gods Out?	The Lost Words	Water Tower	Talking History	The Nowhere Emporium
Daily Read	When the mountains roared – Jess Butterworth	The Boy who Harnessed the wind- William Kamkwamba,	Cloudbusting – Malorie Blackman	The Infinite Lives of Maisie Day – Christopher Edge	The Last Bear – Hannah Gold	Walls – Emma Fischel
Maths	<p>Place Value Number to 10,000 Roman numerals to 1,000 Round to nearest 10, 100 and 1000 Number to 100,000 Compare and order number to 100,000 Round number within 100,000 Numbers to a million Counting in powers of 10 Compare and order numbers to a million Round numbers to a million Negative numbers</p> <p>Addition and subtraction</p>	<p>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 100</p> <p>Geometry Measure and calculate perimeter of composite rectilinear shapes. Calculate area of rectangles Calculate area of compound shapes Calculate the area of irregular shapes</p>	<p>Multiplication and division Multiply 4-digits by 1-digit using a formal written method Multiply 2digits (area model) Multiply 2-digits by 2-digits using a formal written method Multiply 3-digits by 2-digits Multiply 4-digits by 2digits Divide 4 digits by 1-digit using a formal written method</p> <p>Fractions Equivalent Fractions Improper fractions to mixed numbers Mixed numbers to improper fractions Number sequences</p>	<p>Fractions contd As outlined in Spring 1</p> <p>Decimals and percentages Decimals up to 2 decimal places Decimals as fractions (1) Decimals as fractions (2) Understand thousandths Thousandths as decimals Rounding decimals Order and compare decimals Understand percentages Percentages as fractions and decimals Equivalent fractions, decimals and percentages</p>	<p>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 wholes and decimals Decimal sequences Multiplying decimals by 10, 100 and 1000 Dividing decimals by 10, 100 and 1000</p>	<p>Geometry – Position and Direction Position in the first quadrant Reflection Reflection with co-ordinates Translation Translation with co-ordinate</p> <p>Measurement Convert Kilograms and kilometres Milligrams and millilitres Metric units Imperial units Understand and use equivalences between metric</p>

	<p>Add whole number with more than 4-digits (column method)</p> <p>Subtract whole numbers with more than 4 digits (column method)</p> <p>Round to estimate and approximate</p> <p>Inverse operations (addition and subtraction)</p> <p>Multi-step addition and subtraction problems</p> <p>Fractions Adding, subtracting, converting improper and mixed number fractions.</p>		<p>Compare and order fractions less than 1</p> <p>Compare and order fractions greater than 1</p> <p>Add and subtract fractions</p> <p>Add fractions within 1</p> <p>Add 3 or more fractions</p> <p>Add fractions</p> <p>Add mixed numbers</p> <p>Subtract fractions</p> <p>Subtract mixed numbers</p> <p>Subtract – breaking the whole</p> <p>Subtract two mixed numbers</p> <p>Multiply unit fractions by an integer</p> <p>Multiply non-unit fractions by an integer</p> <p>Multiply mixed numbers by integers</p> <p>Fraction of an amount</p> <p>Using fractions as operators</p>		<p>Geometry- Properties of Shape</p> <p>Measuring angles in degrees</p> <p>Measuring with a protractor (1)</p> <p>Measuring with a protractor (2)</p> <p>Drawing angles accurately</p> <p>Calculating angles on a straight line</p> <p>Calculating angles around a point</p> <p>Calculating lengths and angles in shapes</p> <p>Regular and irregular polygons</p> <p>Reasoning about 3-D shapes</p>	<p>and common imperial units</p> <p>Converting units of time</p> <p>Timetables</p> <p>Volume</p> <p>What is volume?</p> <p>Compare volume</p> <p>Estimate volume</p> <p>Estimate capacity</p>
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Science	Forces Examining and measuring forces, the actions of gravity, friction, air resistance and up-thrust and their practical application.	Materials – Reversible Irreversible Changes A stand-alone science week topic - Investigate dissolving to form a solution and explore various ways of separating mixtures, depending upon size of particle and whether or not it has dissolved.	Earth and Space Learning about the solar system, the importance of the Sun, the rotation and revolution of the Earth and moon. Throughout the year the children will be encouraged to develop their ability to think like scientists and improve their scientific processing skills: planning, predicting, observing, recording and concluding.	Materials – Properties of Materials A stand-alone science day topic. Describing properties of different materials, comparing the uses, exploring extraction from natural resources, exploring thermal conductivity and looking at Spencer Silver & Ruth Benerito.	Living Things and their Habitat Explore the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Compare the life cycles and identify similarities and differences.	Animals, including humans Children will look at and understand the six stages of human lifecycle: gestation, baby, childhood, adolescence, adulthood and old age.
History		The Greeks Why is ancient Greece society so important to modern day people? Learning of the achievements as well as making connections with sport, art, philosophy, architecture, politics and theatre. Understanding the lifestyle and culture of Ancient Greek civilisation.	The Space Race How the Space Race started Effect on the modern world Achievements of both countries Primary and secondary sources	Mayans How people past and present manage scarce resources such as fresh water, and about innovative and sustainable farming techniques used by ancient civilisations. Trading of precious resources in the ancient world and in our own		



Geography	Mountains Explore maps, atlases and globes to explore the wider world. Focus on comparing the features and size of the mountains from around the world, whilst learning about mountain formations. The children will learn about the Grampians in the winter and assess dangers that are faced by climbers.					Local Area Locate and names counties and cities within the United Kingdom; human & physical characteristics of Berkshire and how it has changed; Compare Berkshire with Bracknell in Tasmania
Art / D&T	Art and Design: Creating a mountain scene with a focus on perspective and mark making for texture.	Art and Design: Greek Pottery design and make their own clay pots which will be fired. D&T: Christmas Bazaar	Art and Design: Space Art : Exploring famous and modern artists in the field of Abstract Art Shading, blending and size	D&T Design and create Mayan masks using papier maché.	Art and Design: Botanical drawing : Explore the work of Margaret Mee and the use of water colour techniques	D&T: Dragonfly cushions Textiles Learning running stitch and different ways to join materials
PSHE / SRE	PSHE Jigsaw – Being Me in My World I can face new challenges positively and know how to set personal goals. I understand my rights and	PSHE Jigsaw – Celebrating Differences I understand that cultural differences sometimes cause conflict, I understand what racism is. I understand how	PSHE Jigsaw – Dreams & Goals I understand some money will help me achieve my goals, I have explored jobs of people I know and explored how	PSHE – Jigsaw – Healthy Me I know the health risks of smoking and alcohol and the effect it has on the heart, liver and lungs. I know and can put into practice basic	PSHE – Jigsaw – Relationships I have an accurate picture of who I am as a person in terms of my characteristics and personal qualities. I know if an online	PSHE – Jigsaw – Changing Me I am aware of my own self-image and how my body image fits into that I can explain how a girl’s body changes

	<p>responsibilities as a citizen of my country and as a member of my school, I can make choices about my own behaviour because I understand how rewards and consequences feel, Democracy</p>	<p>rumour-spreading and name-calling can be bullying behaviours. I can explain the difference between direct and indirect types of bullying. I can compare my life with someone in a different country and understand their culture</p>	<p>much people earn in different jobs, I can identify a job I'd like to do and what I need to do to achieve this. I have explored a different culture and looked at how their dreams and goals may differ from mine and how I can support them.</p>	<p>emergency aid procedures (including recovery position) and know how to get help in emergency situations. I understand how the media, social media and celebrity culture promotes certain body types. I know what makes a healthy lifestyle and the choices i need to make. I also know how people have different attitudes to foods and how this can affect me</p>	<p>community is safe or unsafe I understand there are rights and responsibilities in an online community or social network and that gaming sites have the same. I can recognise when I am spending too much time on devices I can explain how to stay safe when using technology to communicate with my friends</p>	<p>during puberty and understand the importance of looking after yourself physically and emotionally. I can describe how boys' and girls' bodies change during puberty. I understand that sexual intercourse can lead to conception and that is how babies are usually made I also understand that sometimes people need IVF to help them have a baby I can identify what becoming a teenager may mean. I can talk about moving on to my next class</p>
<p>RE</p>		<p>Christianity – Is the Christmas story true?</p>		<p>Christianity - Did God intend Jesus to be crucified?</p>		<p>Sikhism – Prayer & worship (commitment)</p>
<p>French</p>	<p>Seasons to consolidate work on the seasons and weather</p> <p>Use definite and indefinite articles</p>		<p>My Family Learning names for family members correct determiners</p>		<p>My Home Describe where you live and what your home is like</p> <p>Oral and written</p>	



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Music		Greek music Children will look at traditional Greek music. Then, they will explore pulse, dynamics and storytelling in music			Life cycles Children will understand time signatures, use Djembe drums and practise singing in a round	History of Music Children will understand a timeline of music and consider how music has changed through history.
Computing	Teach Computing: Computing systems & network E-Safety lesson: Commonsense - My Media Choices	Teach Computing: TBC Data & information – flat file databases E-Safety lesson: Commonsense – Be a super digital citizen	Teach Computing: Programming – physical computing E-Safety lesson: Commonsense – Keeping games friendly & fun	Teach Computing: E-Safety lesson: Creating media - Video Production Commonsense – A creator's rights & responsibilities	Teach Computing: Creating media – vector graphs E-Safety lesson: Commonsense – Private & personal information	Teach Computing: Programming – selection in quizzes E-Safety lesson: Commonsense – Our Online Tracks
P.E. Festivals enrichment	Real P.E. Unit 1 FUNS 9 & 12 Netball	Real P.E. – Dance Rugby	Real PE Unit 3 FUNS 5 & 7 Swimming	Real P.E. – Unit 4 FUNS 1 & 6 Golf Swimming continued	Real P.E. Unit 5 FUNS 4 & 10 Cricket	Real P.E. Unit 6 FUNS 11 & 8 Athletics Triathlon <i>Cricket Festival Sports Day</i>
TRIPS/ Enrichment		Launch Day – Greek Olympic Games Ufton Court	Take One Picture Swimming	Mayan Day Swimming	Fire safety visit	