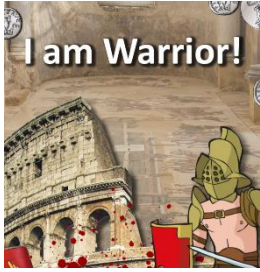
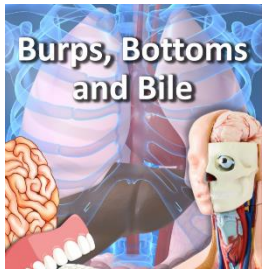
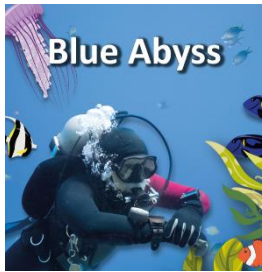
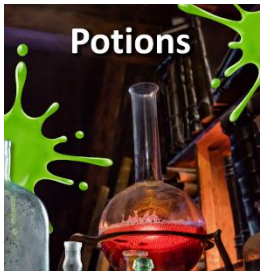

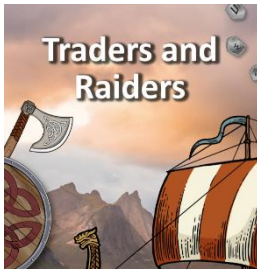
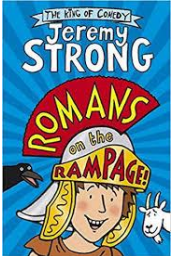

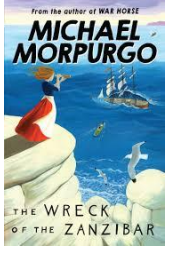
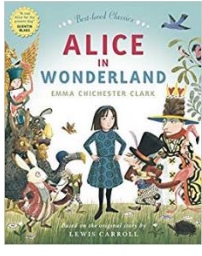
















Year 4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Project						
Project focus	History	Science	Art & design	Science	Geography	History
Breadth of Project	Invaders, the Romans, Celts and gladiators	Teeth, digestion and healthy eating	Seas and oceans, aquatic habitat and food chains	Solids, liquids and gases and a little bit of magic	Mountain environments, the water cycle and plant life	The Vikings, Anglo-Saxons and Alfred the Great
Core Texts	 Romans on the Rampage – Jeremy Strong	 Julian Secret Agent – Ann Cameron	 The Wreck of the Zanzibar – Michael Morpurgo	 Alice in Wonderland – Emma Chichester Clark	 Me and Mr P – Maria Farrar	 How to Train your dragon – Cressida Cowell
Memorable Experience	<b>Visit to Leeds Museum – Roman Workshop</b> Are you ready for a Roman quest in a local context? Come and experience 'Romanisation' of Britain.	<b>Visit from Dental Nurse</b> The children will have a talk about dental hygiene and will then chew a plaque tablet and see if they can brush off the plaque!	<b>Underwater Experience</b> Get ready to watch David Attenborough under the deep blue sea!	<b>Potions Day</b> The children will make weird and wonderful potions that include fizzing potion, magic slime and a forgetfulness potion!	<b>Residential to Malham</b> All children will have the opportunity to visit Malham where they will visit the cove, walk to Gordale Scar and stay overnight in the Youth hostel.	<b>Viking Visitor in School</b> The Vikings have invaded! They have travelled the sea bringing their own tools, weapons, belongings and farm animals.

<b>Community Links</b>	Leeds Museum	Local Dentist			The Yorkshire Dales	
<b>English</b>	Diary writing from Septicaemia's point of view. Setting description of Roman York. Adventure story of the Big Chariot Race. Newspaper report on the Big Chariot Race.	Diary entry from Julian's point of View Rewrite the first chapter in the 1 <sup>st</sup> person. What happened when the Wolf swallowed Little red Riding hood.	Sea poetry. Postcard from Bryher Informal Letter from Laura to Billy. Sea turtle fact file Formal Persuasive letter to save the sea turtles	Alice in Wonderland play script Instructions for a potion Fantasy story in Wonderland	Character description of brothers Me and Mr P short story Explanation text of Mountain Animal Survival Explanation text of how to survive in Year 4	Setting description inside the dragon nursery Dairy – The day I knew I was a dragon whisperer Write an extra chapter – An alternative plan Horrible Histories Chapter – Vicious Viking
<b>Maths</b>	<b>Place Value</b> up to 10,000, negative numbers <b>Addition and Subtraction</b> up to 4 digits using efficient methods	<b>Length and Perimeter:</b> kilometres, perimeter on a grid, perimeter of a rectangle and rectilinear shapes <b>Multiplication and Division</b> of 6,9,7	<b>Multiplication and Division</b> of 11, 12, multiply 3 numbers, efficient multiplication method, factors, multiply and divide 2 and 3 digit numbers by 1 digit <b>Area</b> Counting squares, making shapes and comparing area.	<b>Fractions:</b> equivalent fractions, fractions greater than 1, count in fraction, add fractions, subtract from whole amounts, and calculate fractions of a quantity. <b>Decimals:</b> tenths and hundreds, divide 1 and 2 digits by 10, 100	<b>Decimals:</b> make a whole, write, compare and order decimals. Identify halves and quarters as decimals. <b>Money:</b> pounds and pence, order money, round money to estimate. Solve problems using all 4 operations. <b>Time:</b> Read, write and convert time between analogue and digital 12 and 24-hour clocks.	<b>Statistics:</b> Interpret and present data using Bar charts, pictograms, line graphs, tables and time graphs. <b>Properties of shape:</b> acute and obtuse angles. Compare and classify quadrilaterals and triangles, based on their properties and sizes. Lines of symmetry in 2-D shapes <b>Position and Direction:</b> Coordinates in the first quadrant. Translations of shapes
<b>Science</b>	<b>Electricity</b>  Children will learn about appliances that run on electricity. They will learn to construct circuits and understand its parts including lamps and switches. They will learn about conductors and insulators and know that metal is a good conductor.	<b>Teeth and The Digestive System</b>  Children will learn the simple functions of the basic parts of the digestive system in humans. They will identify different types of teeth in human functions.	<b>Living Things and their habitats; Animals including humans</b> Children will learn that living things can be grouped in a variety of ways. They will explore and use classification keys to help group, They will learn that environments can change and that this can sometimes pose dangers to living things.	<b>States of Matter</b>  Children will learn to group materials together and identify them as solids, liquids or gases. They will learn that some materials change state when they are heated or cooled. Children will learn about the viscosity of liquids and conduct various experiments with potions to look at the changing states.	<b>Sound</b>  Children will learn about the way sound is made through vibration and find out how the pitch and volume of sounds can be changed in a variety of ways.	<b>Working Scientifically</b>  Children will consolidate their learning in how to set up a range of scientific experiments. They will analyse and present the findings.

<b>Science – Love to Investigate</b>	<b>Did the Romans Use Toilet roll?</b> Children will learn about Roman toilets and investigate the effectiveness of Roman alternatives to toilet roll.	<b>How does toothpaste protect teeth?</b> Children will observe the effect of fluorinated toothpaste on the irreversible chemical reaction of calcium carbonate (eggshell) in acetic acid (vinegar).	<b>How does Pollution affect habitats?</b> Children will learn about different pollutants and their effect on the health, growth and survival of pondweed.	<b>Are all liquids runny?</b> Children will investigate the properties of liquids and how they have different viscosities.	<b>How can we change a sound?</b> Children will explore and listen carefully to the vibrations and produce a sound to find out what factors affect its pitch.	<b>How did Viking dye their clothes?</b> Children investigate the natural plant dyes that the Anglo-Saxons and Vikings used to dye their clothes.
<b>DT</b>	<b>Designing and making</b> Children will design and make their own Roman Shield and Helmet. 	<b>Textiles</b> Children will design and make a wearable digestive system. 	<b>3D Models</b> Children will design, make and evaluate their own working lighthouse. 	<b>Product Development</b> Children will design and make salt dough love hearts and bath bombs. 		
<b>History</b>	<b>The Roman Empire and its Impact on Britain</b> Children will learn about Roman Britain from 753BC to AD476			<b>Historical Potions</b> Children will learn about how potions were used in the past for both magical and medicinal reasons.		<b>Anglo Saxons and Vikings</b> Children will learn about Britain's settlement by the Anglo-Saxons and Scots and learn about the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Conqueror.
<b>Geography</b>	<b>Comparing Britain and Italy</b> Children will learn about similarities and differences between Italy and Britain, including climate, landscape, size and weather.		<b>Seas and Oceans of the World</b> Children will learn to use maps and computer mapping to locate seas and oceans.		<b>Mountains of the World; Using maps; Human and Physical Geography</b> Children will learn about significant hills and mountains in the UK and the rest of the World.	<b>Settlements in Europe</b> Children will use maps to locate Saxon shore forts.
<b>Computing</b>	<b>ESafety and programming</b> Children will learn about how computer technology works and how computers process instructions and commands.	<b>ESafety and Digital multimedia</b> Children will learn how to manipulate photographs.	<b>ESafety and programming</b> Children will use Scratch to create their own sea creature video game.	<b>ESafety and programming</b> Children will learn how to make a web page for their online potions shop.	<b>ESafety, research and geocaching</b> Children will learn how to research and present their finding. They will also learn what geocaching is and how they can use GPS units.	

<p><b>Art</b></p>	<p><b>Structures</b> Children will learn how to design and create a mosaic showing Roman geometric patterns.</p> 		<p><b>Observational Drawing</b> Children will use line, tone and shade to draw a sea creature and a shell.</p>  <p><b>Painting</b> Children will learn how to create mood, movement, depth and feelings with colour. "The Great Wave"</p>  <p><b>3D Sculpture</b> Children will use clay to create sea creatures (Star Fish and Urchins)</p> 	<p><b>Observational Drawing</b> Children will use line, tone and shade to draw from a wide range of perfume bottle.</p>  <p><b>Collage</b> Children will use their knowledge of colours to decoupage a bottle for their potion.</p> 	<p><b>Weaving</b> Children will learn about Adi weaving and recreate their own design using geometrical patterns.</p> 	<p><b>Patterns and print making</b> Children will learn how to block print using Viking patterns.</p> 
<p><b>Music</b></p>		<p><b>Composition</b> Children to compose the lyrics and musical accompaniments to a class song about bodily functions.</p>		<p><b>Improvisation</b> Children to choose instruments to accompany their spell learning about how to enhance the beat, rhythm and pulse.</p>	<p><b>Composition</b> Children to use water as a stimulus to compose water music.</p>	<p><b>Performing</b> Children will perform a musical at the end of the year to Year 3.</p>

<b>PE &amp; Sport</b>	<p><b>Dance – The Romans</b> Children will learn rhythm, timing and direction.</p> <p><b>Swimming</b> Children will follow Swim England School Swimming Framework Awards</p>	<p><b>Football</b> Children will learn how to dribble the ball and select the correct technique for shooting a goal.</p> <p><b>Swimming</b> Children will follow Swim England School Swimming Framework Awards</p>	<p><b>Gymnastics</b> Children will work with a partner demonstrating contrasting and matching shapes.</p> <p><b>Swimming</b> Children will follow Swim England School Swimming Framework Awards</p>	<p><b>Health Related Fitness</b> Children will learn how to use parts of their body to enable them to run faster.</p> <p><b>Swimming</b> Children will follow Swim England School Swimming Framework Awards</p>	<p><b>Basketball</b> Children will learn to dribble a ball, use the correct technique to pass the basketball.</p> <p><b>Swimming</b> Children will follow Swim England School Swimming Framework Awards</p>	<p><b>Athletics</b> Children will learn how to improve their sprint and their overarm throw.</p> <p><b>Swimming</b> Children will follow Swim England School Swimming Framework Awards</p>
<b>French</b>	<p><b>Transport</b> Children will learn how to day how they get to school.</p>	<p><b>French</b> Children will learn where French is spoken in the world.</p>	<p><b>Hobbies, Birthdays</b> Children will learn to say what they like to do in their spare time.</p>	<p><b>Body parts</b> Children will learn about the different body parts.</p>	<p><b>Colours</b> Children will learn about the different colours.</p>	<p><b>Numbers</b> Children will learn numbers up to 100.</p>
<b>RE</b>	<p><b>Judaism Key question:</b> How are important events remembered in ceremonies?</p> <p>Children will learn about synagogues and the celebration of Hanukah.</p>	<p><b>Christianity Key Question:</b> What is a community?</p> <p>Children will learn about churches being part of the Christian community.</p>	<p><b>Islam Key Question:</b> What do creation stories tell us about our world?</p> <p>Children will learn about how Muslims believe that Allah’s work is never complete.</p>	<p><b>Christianity Key Question:</b> How are important events remembered in ceremonies?</p> <p>Children will learn about communion, lent and good Friday.</p>	<p><b>Sikhism Key Question:</b> What values are shown in codes for living?</p> <p>Children will learn about the 5 Ks and what they mean.</p>	<p><b>Sikhism Key Question:</b> What does it mean to be a Sikh?</p> <p>Children will learn about celebrating difference.</p>
<b>PSHE</b>	<p><b>Physical health and wellbeing</b> Children will learn about why people choose to avoid certain foods and the importance of sleep.</p>	<p><b>Identity, society and equality</b> Children will learn about Britain as a democracy and how laws are made.</p>	<p><b>Drug, alcohol and tobacco education</b> Children will learn about the effects and risks of drinking alcohol.</p>	<p><b>Keeping safe and managing risk</b> Children learn how to be safe in all aspects of life and know what to do in an emergency.</p>	<p><b>Careers, financial capability and economic wellbeing</b> Children learn about money and the world of work.</p>	<p><b>Relationships and Sex Education</b> Children learn about the physical and emotional impact of puberty.</p>
<b>Innovative Challenge</b>	<p><b>Roman Boot Camp</b> Children will take part in a series of physical challenges that will prove their strength, agility and tactics to become a Roman warrior!</p>	<p><b>Giganta-gut!</b> Children will work together to design and make a working model of the human digestive system.</p>	<p><b>Bioluminescence 3D Art Exhibition</b> Children to design and display 3D bioluminescence creatures.</p>	<p><b>Professor Hazard’s Potions</b> Children will create new potions and spells to add to the class “apothecary shelf”</p>	<p><b>Mountain Range Model</b> Children will construct a 3D to scale mountain range model</p>	<p><b>Viking/Anglo Saxon Trade Fair</b> Make and sell identity broaches for the trade fair.</p>