











Year 4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Project						
Project focus	History	Science	Geography	Geography	Science	History
Breadth of Project	Invaders, the Romans, Celts and gladiators	Teeth, digestion and healthy eating	Seas and oceans, aquatic habitat and food chains	Mountain environments, the water cycle and plant life	Solids, liquids and gases and a little bit of magic	The Vikings, Anglo Saxons and Alfred the Great
Core Texts	 Romans on the Rampage – Jeremy Strong	 The Great Food Bank Heist – Onjali Rauf	 The Wreck of the Zanzibar – Michael Morpurgo	 Me and Mr P – Maria Farrar	 Alice in Wonderland – Emma Chichester Clark	 How to Train your dragon – Cressida Cowell
Memorable Experience	Roman Workshop Are you ready for a Roman quest in a local context? Come and experience 'Romanisation' of Britain.	Visit from Dental Nurse 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!	Underwater Experience Get ready to watch David Attenborough under the deep blue sea!	Residential to Malham 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.	Potions Day The children will make weird and wonderful potions that include fizzing potion, magic slime and a forgetfulness potion!	Viking visitor The Vikings have arrived on the coast of Anglo-Saxon England but they are in two minds: should they raid or trade? The pupils will decide!
Community Links	Working with local historians at Herd Farm	Local Dentist/doctor	Visit to a Mosque	The Yorkshire Dales		Leeds Royal Armouries

Visits and Visitors	Herd Farm- Romans are coming!		Visit to Lincoln Green Mosque	Visit to Malham	Chris Snowden- STEM communicator- Potions Day	
English	Diary writing from Perilus's point of view. Setting description of Roman York. Adventure story about The Emperor Newspaper report on the Big Chariot Race.	Rewrite the first chapter in the 1 st person. Book reviews	Sea poetry. Postcard from Bryher Informal Letter from Laura to Billy. Sea turtle fact file Formal Persuasive letter to save the sea turtles	Character description of brothers Me and Mr P short story Explanation text of a Polar Bear	Alice in Wonderland play script Instructions for a potion Fantasy story in Wonderland	Setting description inside the dragon nursery Diary – The day I knew I was a dragon whisperer Write an extra chapter – An alternative plan Horrible Histories Chapter – Vicious Viking
Maths	Place Value up to 10,000, negative numbers Addition and Subtraction up to 4 digits using efficient methods	Length and Perimeter: kilometres, perimeter on a grid, perimeter of a rectangle and rectilinear shapes Multiplication and Division of 6,9,7	Multiplication and Division of 11, 12, multiply 3 numbers, efficient multiplication method, factors, multiply and divide 2 and 3 digit numbers by 1 digit Area Counting squares, making shapes and comparing area.	Decimals: make a whole, write, compare and order decimals. Identify halves and quarters as decimals. Money: pounds and pence, order money, round money to estimate. Solve problems using all 4 operations. Time: Read, write and convert time between analogue and digital 12 and 24-hour clocks.	Fractions: equivalent fractions, fractions greater than 1, count in fraction, add fractions, subtract from whole amounts, and calculate fractions of a quantity. Decimals: tenths and hundreds, divide 1 and 2 digits by 10, 100	Place Value: up to 1,000,000 Addition and Subtraction: whole numbers using the column method up to 4 digits checking with the inverse operation Statistics Read and interpret line graphs, two way tables and timetables
Science	Electricity 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.	Teeth and The Digestive System 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.	Living Things and their habitats; Animals including humans 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.	Sound 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.	States of Matter 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.	Working Scientifically Children will consolidate their learning in how to set up a range of scientific experiments. They will analyse and present the findings.
Science – Love to Investigate	Can you make a circuit from playdough? Children use conductive and insulating dough to create circuits and invent their own switches.	How does toothpaste protect teeth? Children will observe the effect of fluorinated toothpaste on the irreversible chemical reaction of calcium carbonate (eggshell) in acetic acid (vinegar).	How does Pollution affect habitats? Children will learn about different pollutants and their effect on the health, growth and survival of pondweed.	Why does it flood? Children investigate how water flows over different materials and relate this to the landscape and flooding.	Are all liquids runny? Children will investigate the properties of liquids and how they have different viscosities.	What are catapults for? Children learn about catapults by making one out of lolly sticks and using it to launch sweets of different weights, shapes and sizes.

<p>DT</p>	<p>Designing and making Children will design and make their own Roman Shield and Helmet.</p> 	<p>Textiles Children will design and make a wearable digestive system.</p> 			<p>Product Development Children will design and make salt dough love hearts and bath bombs for Mother's Day</p> 	
<p>History</p>	<p>The Roman Empire and its Impact on Britain Children will learn about Roman Britain from 753BC to AD476</p>				<p>Historical Potions Children will learn about how potions were used in the past for both magical and medicinal reasons.</p> <p>Local history study Children will learn about the role Florence Nightingale played in the development of the Leeds General Infirmary and its subsequent impact on the cholera pandemic affecting the city.</p>	<p>Anglo Saxons and Vikings 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.</p>
<p>Geography</p>	<p>Comparing Britain and Italy Children will learn about similarities and differences between Italy and Britain, including climate, landscape, size and weather.</p>		<p>Seas and Oceans of the World Children will learn to use maps and computer mapping to locate seas and oceans.</p>	<p>Mountains of the World; Using maps; Human and Physical Geography Children will learn about significant hills and mountains in the UK and the rest of the World.</p>		<p>Settlements in Europe Children will use maps to locate Saxon shore forts.</p>
<p>Computing</p>	<p>E-Safety and programming Children will learn about how computer technology works and how computers process instructions and commands.</p>	<p>E-Safety and Digital multimedia Children will learn how to manipulate photographs.</p>	<p>E-Safety and programming Children will use Scratch to create their own sea creature video game.</p>	<p>E-Safety, research and geocaching 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>	<p>E-Safety and programming Children will learn how to make a web page for their online potions shop.</p>	<p>E-Safety and Stop Motion Animation Children will make an animation of a Viking Story</p>

<p>Art</p>	<p>Structures Children will learn how to design and create a mosaic showing Roman geometric patterns.</p> 	<p>Drawing Children will learn about the self-portraits of Van Gogh and develop their observation drawing skills using line, tone and shade to draw from a wide range.</p> 	<p>Observational Drawing Children will use line, tone and shade to draw a sea creature and a shell.</p>  <p>Batik Children will scale up their observational drawings of sea creatures and use silk and dyeing ink to create a piece of Batik artwork.</p> 	<p>Weaving Children will learn about Adi weaving and recreate their own design using geometrical patterns.</p> 	<p>Collage Children will use their knowledge of colours to create a mixed media collage inspired by potions and Alice in Wonderland</p> 	<p>Painting Children will study Jackson Pollack and designed a Viking long ship based on murals and colours.</p> 
<p>Music</p>		<p>Composition Children to compose the lyrics and musical accompaniments to a class song about bodily functions. They will rewrite, Head, Shoulders, Knees and Toes.</p>		<p>Composition Children to use water as a stimulus to compose water music using pan pipes.</p>	<p>Improvisation Children to choose instruments to accompany their spell learning about how to enhance the beat, rhythm and pulse.</p>	<p>Singing Children will sing a Viking song, singing in rounds.</p>
<p>PE & Sport</p>	<p>Dance – The Romans Children will learn rhythm, timing and direction.</p> <p>Gymnastics- Arching and bridges Children will learn how to create a variety of individual movements using arching and bridges</p> <p>Swimming Children will follow Swim England School Swimming Framework Awards</p>	<p>Football Children will learn how to dribble the ball and select the correct technique for shooting a goal.</p> <p>Gymnastics- Partner work- Pushing and pulling Children will learn how to use parts of their body to develop their core strength.</p> <p>Swimming Children will follow Swim England School Swimming Framework Awards</p>	<p>Gymnastics- Rolling and travelling low Children will learn how to produce a sequence of rolls.</p> <p>Hockey Children will develop their hockey skills, dribbling, passing and tackling before playing games.</p> <p>Swimming Children will follow Swim England School Swimming Framework Awards</p>	<p>Invasion games skills 3 Children will learn how to dodge, be aware of the environment and pass in a range of ball games.</p> <p>Basketball Children will learn to dribble, pass and shoot the basketball using correct technique.</p> <p>Swimming Children will follow Swim England School Swimming Framework Awards</p>	<p>Tag rugby Children will learn to pocket pass, pass backwards consistently and apply a range of rules in tag rugby games.</p> <p>Health related fitness</p> <p>Swimming Children will follow Swim England School Swimming Framework Awards</p>	<p>Athletics Children will learn techniques for running, jumping and throwing events.</p> <p>Tennis Children will learn technique for forehand and backhand techniques and develop tactics for playing games of tennis.</p> <p>Swimming Children will follow Swim England School Swimming Framework Awards</p>

French	Transport Children will learn how to day how they get to school.	French Children will learn where French is spoken in the world.	Hobbies, Birthdays Children will learn to say what they like to do in their spare time.	Colours Children will learn about the different colours.	Body parts Children will learn about the different body parts.	Islam Key question: Key Question - Why are some places and journeys special? Children will learn about special places, pilgrimage and Mecca.
RE	Judaism Key question: How are important events remembered in ceremonies? Children will learn about synagogues and the celebration of Hanukah.	Christianity Key Question: What is a community? Children will learn about churches being part of the Christian community.	Islam Key Question: What do creation stories tell us about our world? Children will learn about how Muslims believe that Allah's work is never complete.	Sikhism Key Question: What values are shown in codes for living? Children will learn about the 5 Ks and what they mean.	Christianity Key Question: How are important events remembered in ceremonies? Children will learn about communion, lent and good Friday.	Physical health and wellbeing Children will learn about role models and how the media can manipulate advertisements and images
PSHE	Physical health and wellbeing Children will learn about why people choose to avoid certain foods and the importance of sleep.	Identity, society and equality Children will learn about Britain as a democracy and how laws are made.	Drug, alcohol and tobacco education Children will learn about the effects and risks of drinking alcohol.	Careers, financial capability and economic wellbeing Children learn about money and the world of work.	Keeping safe and managing risk Children learn how to be safe in all aspects of life and know what to do in an emergency.	Relationship and sex education Growing up and changing
Innovate and enhance	Marching to formation as Roman soldiers. following instructions in basic Latin (using shields and helmets)	Road Safety	Art gallery of Batik artwork for parents	Malham Residential	Visit from a local pastor	Children create a song inspired by the Vikings and present it alongside an Anglo Saxon poem, such as Beowulf