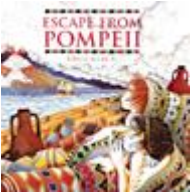
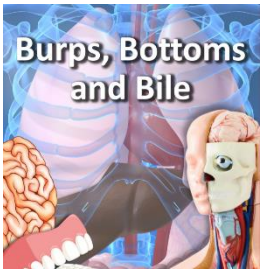
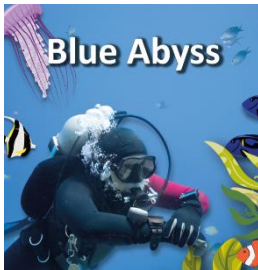

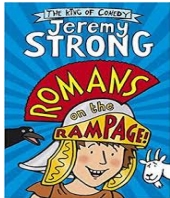
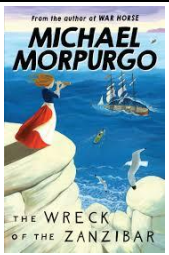














| Year 4 | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Project | Geography  | I am Warrior!  | Burps, Bottoms and Bile  | Blue Abyss  | Potions  | Misty Mountain Sierra  |
| Project focus | Geography | History | Science | Art & design | Science | Geography |
| Breadth of Project | Natural disasters, earthquakes and volcanoes | 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 |
| Core Texts |  Escape from Pompeii – Christina Balit |  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 |
| Memorable Experience | Rocky Road Rocks The children will make rocky road to understand the different types of rocks. | 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! | Potions Day The children will make weird and wonderful potions that include fizzing potion, magic slime and a forgetfulness potion! | 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. |

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| Community Links | Museum Services visitors | | Local Dentist/doctor | Visit to a Mosque | | The Yorkshire Dales |
| Visits and Visitors | East Street Arts | Roman visitor | | Visit to Lincoln Green Mosque | | Visit to Malham |
| English | Diary writing from Tranio's point of view Letter writing to Christina Balit Setting description then and now (before Pompeii/after) Poetry – Pompeii knows... | Diary writing from Septicaemia's point of view. Setting description of Roman York. Adventure story about The Emperor Newspaper report on the Big Chariot Race. | Diary entry from Julian's point of View Rewrite the first chapter in the 1 st person. | 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 a Polar Bear |
| Maths | Place Value up to 10,000, negative numbers Addition and Subtraction up to 4 digits using efficient methods | 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. | 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 | 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. |
| Science | Rocks Children will learn about the different types of rock and that they are igneous, sedimentary and metamorphic. They will know that rocks are permeable or non-permeable, durable or non-durable and able or unable to float. | 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. | 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. | 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. |

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| Science – Love to Investigate | How do Fossils form? Children learn about and model how mould fossils form. | Did the Romans Use Toilet roll? Children will learn about Roman toilets and investigate the effectiveness of Roman alternatives to toilet roll. | 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. | Are all liquids runny? Children will investigate the properties of liquids and how they have different viscosities. | How can we change a sound? Children will explore and listen carefully to the vibrations and produce a sound to find out what factors affect its pitch. |
| DT | | Designing and making Children will design and make their own Roman Shield and Helmet.  | Textiles Children will design and make a wearable digestive system.  | 3D Models Children will design, make and evaluate their own working lighthouse.  | Product Development Children will design and make salt dough love hearts and bath bombs for Mother's Day  | |
| History | Ancient Rome – Pompeii Children will learn about what happened in Pompeii and know what life was like for children in Roman times. | The Roman Empire and its Impact on Britain Children will learn about Roman Britain from 753BC to AD476 | | | Historical Potions Children will learn about how potions were used in the past for both magical and medicinal reasons. | |
| Geography | Volcanoes and Earthquakes Children will learn about name each layer of the Earth including crust, mantle and core (outer liquid and inner solid). They will also learn the location of various volcanoes, what happens when a volcano erupts and how an Earthquake happens. | Comparing Britain and Italy Children will learn about similarities and differences between Italy and Britain, including climate, landscape, size and weather. | | Seas and Oceans of the World Children will learn to use maps and computer mapping to locate seas and oceans. | | 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. |

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| <p>Computing</p> | <p>ESafety; Photo editing</p> <p>Children will learn how to use software to create abstract art based on Andy Goldsworthy.</p> | <p>ESafety and programming</p> <p>Children will learn about how computer technology works and how computers process instructions and commands.</p> | <p>ESafety and Digital multimedia</p> <p>Children will learn how to manipulate photographs.</p> | <p>ESafety and programming</p> <p>Children will use Scratch to create their own sea creature video game.</p> | <p>ESafety and programming</p> <p>Children will learn how to make a web page for their online potions shop.</p> | <p>ESafety, research and geocaching</p> <p>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>Art</p> | <p>Printing</p> <p>Children will learn about patterns in nature. They will use marbling inks to create repeating patterns of ammonites.</p>  | <p>Structures</p> <p>Children will learn how to design and create a mosaic showing Roman geometric patterns.</p>  | | <p>Observational Drawing</p> <p>Children will use line, tone and shade to draw a sea creature and a shell.</p>  <p>Painting</p> <p>Children will learn how to create mood, movement, depth and feelings with colour. "The Great Wave"</p>  <p>3D Sculpture</p> <p>Children will use clay to create sea creatures (Star Fish and Urchins)</p>  | <p>Observational Drawing</p> <p>Children will use line, tone and shade to draw from a wide range of perfume bottle.</p>  <p>Collage</p> <p>Children will use their knowledge of colours to decoupage a bottle for their potion.</p>  | <p>Weaving</p> <p>Children will learn about Adi weaving and recreate their own design using geometrical patterns.</p>  |

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| Music | | | Composition Children to compose the lyrics and musical accompaniments to a class song about bodily functions. They will rewrite, Head, Shoulders, Knees and Toes. | | Improvisation Children to choose instruments to accompany their spell learning about how to enhance the beat, rhythm and pulse. | Composition Children to use water as a stimulus to compose water music using pan pipes. |
| PE & Sport | Running Children will be taught running techniques | Dance – The Romans Children will learn rhythm, timing and direction. Swimming Children will follow Swim England School Swimming Framework Awards | Football Children will learn how to dribble the ball and select the correct technique for shooting a goal. Swimming Children will follow Swim England School Swimming Framework Awards | Tag Rugby Swimming Children will follow Swim England School Swimming Framework Awards | Gymnastics Partner Work – pushing and pulling Children will learn how to use parts of their body to enable them to run faster. Swimming Children will follow Swim England School Swimming Framework Awards | Cricket Swimming Children will follow Swim England School Swimming Framework Awards |
| French | Numbers Children will learn numbers up to 100. | 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. | Body parts Children will learn about the different body parts. | Colours Children will learn about the different colours. |
| 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. | Christianity Key Question: How are important events remembered in ceremonies? Children will learn about communion, lent and good Friday. | Sikhism Key Question: What values are shown in codes for living? Children will learn about the 5 Ks and what they mean. | Sikhism Key Question: What does it mean to be a Sikh? Children will learn about celebrating difference. |
| PSHE | Keeping Safe Children will learn about keeping safe inside and out | 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. | Keeping safe and managing risk Children learn how to be safe in all aspects of life and know what to do in an emergency. | Careers, financial capability and economic wellbeing Children learn about money and the world of work. |
| Innovative Challenge | Skype call Cristina Ballit (author) | Roman Boot Camp Children will take part in a series of physical challenges | Giganta-gut! Children will work together to design and make a | Bioluminescence 3D Art Exhibition | Professor Hazard's Potions | Mountain Range Model Children will construct a 3D to scale mountain range model |

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| | | that will prove their strength, agility and tactics to become a Roman warrior! | working model of the human digestive system. | Children to design and display 3D bioluminescence creatures. | Children will create new potions and spells to add to the class "apothecary shelf" | |
| Enhancements | Children will write a Red Alert Plan of Action using the Richter Scale classification system. They will practice a RED ALERT evacuation. | Parents come in to school to eat the Roman bread and Roman soup | Road Safety | Visit to the Fish Markets | Visit from Reverend Andy Lenton World Book Day | Sam the Sound Man Workshops Malham Residential |