

Literacy - The children have spent the first week of term writing biographies about our class-mates. They will be writing newspaper reports on the eruption of Mount Vesuvius and first person recounts about the event. We will be using the text 'Escape from Pompeii' as a stimulus as well as exciting videos, images and drama. The children will also write third person narratives about the experience of watching gladiator combat in The Colosseum in Rome. The children will be taught a range of grammatical features appropriate to their year group in their grammar sessions which will be drawn upon in their lessons.

PSHCE - Our PSHCE focus for this half term is on our Golden Rules and road safety.

Music - Children will be learning to read and perform simple rhythm patterns and how to notate them as part of a graphic score. They will learn about the elements of music and how to describe sounds using musical vocabulary. Children will look at some Roman instruments and compare them to modern ones. They will compose their own clan piece and sing songs about the Romans. In addition, Y5 and 6 children will learn how to play 'Hammerstrokes' on the glockenspiel with the correct pitch and rhythm and keeping together as a group.

Art - Year 6 will be using sculpting skills to create clay busts in the style of the Romans. Year 3, 4 and 5 will be designing and making their own mosaics using clay. All children will be using independent art time to collect ideas and inspiration in their sketch books.

Romans

Cycle 2 - Autumn Term 1

Computing - This term we are going to begin by focusing on internet safety to ensure all of the juniors can confidently and safely work online. After this we will move on to a very exciting movie maker topic where we will be writing, filming and editing some dynamic Invaders and Settlers films. Some of our older years will also have the opportunity to work with our new green screen software.

Geography/History - This term the children will be learning about the Roman Empire and the Roman invasion of Britain. They will be learning about the mighty Roman army and its significance in the expansion of the empire. The children will be investigating life for Roman men, women and children as well as exploring the legacy left behind and how this still influences our lives today. Their learning will be enriched by our visit to Fishbourne Roman Palace as they will see evidence of Roman life first hand.

Science - Y3 - Animals including humans: Children will learn that animals and humans need food to provide nutrition because they cannot produce their own food. The children will understand how the skeleton and muscles of the body support, protect and help animals and humans move.

Y4 - States of Matter: The children will learn the differences between solids, liquids and gases and identify their properties. They will learn about melting, freezing and evaporating. The children will also be learning about the water cycle.

Y5 - Properties and changes of material: Children will look at separating, filtering, sieving and evaporating solids, liquids and gases. The children will learn about reversible changes of state such as dissolving and irreversible changes such as burning. Children will understand the properties of everyday materials and their uses.

Y6 - Forces: The children will be learning specifically about gravity, air resistance, water resistance and friction.

P.E - In gym, children will be taking part in floor work and using equipment to develop a range of balancing skills. They will be learning about a range of invasion games including tag rugby, football, basketball and hockey.

Literacy - The children will be using books by esteemed children's author Roald Dahl as a stimulus this half term. They will be using *George's Marvellous Medicine* and *The BFG* to write a diary entry and instructions. We will also be completing a unit of work on poetry about Winter.

RE- Children will be focussing on the Christian celebration of Christmas. They will be learning about sacred and secular practices and traditions related to the celebration. They will also compare Christmas practices and stories from around the world.

PSHCE - Our PSHCE focus for this half term is on our Golden Rules and road safety.

Music - Children will be learning to read and perform simple rhythm patterns and how to notate them as part of a graphic score. They will learn about the elements of music and how to describe sounds using musical vocabulary. Children will look at some Roman instruments and compare them to modern ones. They will compose their own clan piece and sing songs about the Romans. In addition, Y5 and 6 children will learn how to play 'Hammerstrokes' on the glockenspiel with the correct pitch and rhythm and keeping together as a group.

DT - Children will be learning about cam mechanisms and their uses. They will carry out market research on existing toys which use cams and evaluate them. This will then inform their own final product design for a Christmas toy which uses cam mechanisms.

Invaders and Settlers

Cycle 2 - Autumn Term 2

Computing - Children will continue with a very exciting movie maker topic where we will be writing, filming and editing some dynamic Invaders and Settlers films. Some of our older years will also have the opportunity to work with our new green screen software.

Science - Y3 - Rocks and Soils - Compare and group together different kind of rocks based on appearance and physical properties, describe how fossils are formed, recognise that soils are made from rocks and organic matter.
Y4 - Electricity - Identify common appliances that run on electricity, conduct circuits and name parts of a circuit, know that circuits have to be complete to work, learn about switches and how they work and recognise conductors and insulators.
Y5 - Properties and changes of material: Children will look at separating, filtering, sieving and evaporating solids, liquids and gases. The children will learn about reversible changes of state such as dissolving and irreversible changes such as burning. Children will understand the properties of everyday materials and their uses.
Y6 - Forces: The children will be learning specifically about gravity, air resistance, water resistance and friction.

P.E - Steve and Toby will be teaching a range of invasion games including tag rugby, football, basketball and hockey.

Geography/History - The children will learn about the Scots invasion from Ireland to North Britain (now Scotland). They will find out about Anglo-Saxon invasions, settlements and kingdoms; place names and village life. They will also learn about Anglo-Saxon Art and culture. They will also look at the Christian conversion in Britain. They will learn about Viking raids and invasion.

Literacy - In Literacy this half term the children will be following the progress of British astronaut Tim Peake whilst he is on the International Space Station. They will produce non-fiction fact files and newspaper extracts about his mission.

Following this, our Literacy will be based on alien encounters. The children will have the opportunity to make independent choices about the work they produce. We will be looking at the features of narratives, poetry and diaries during this topic.

PSHCE - Our PSHCE focus for this half term is on friendship.

Music - Year 3 & 4 will be learning to play a simple melody on the glockenspiel and about how pitch and rhythm is written down. In Year 5 & 6 we are learning about the elements of music; pitch, duration, dynamics, tempo, timbre & texture and how sounds can be organised to create a picture or tell a story.

P.E - Year 3 and 4 will be learning about and developing their skills in dodgeball and multi-skills. Year 5 and 6 will be learning about and developing their skills in dodgeball and basketball.

Art - Over this first half term children will begin to develop their knowledge and understanding of the different visual and tactile elements of Art (line, tone, colour, space, shape, pattern and texture). This will enable them to create their own mixed media collages based on Planet Earth.

Around the World... and Beyond!

Cycle 2 - Spring Term 1

RE - Children will be developing their understanding and making connections / comparisons between creation stories from across a variety of religions and world views using talk for learning discussion skills.

Science - Y3 - Plants - identify different parts of plants and their functions, explore what plants need to survive and how this differs between plants, how water is transported within plants, exploring the part that flowers play in the life cycle of flowering plants including pollination, seed formation and seed dispersal.

Y4 - Sound - identifying how sounds are made through vibration and how they reach the ear, find patterns between the pitch of a sound and the object that produced it, find patterns between the volume of a sound and the strength of vibrations that produced it, recognise that sounds get fainter as distance from the sound increases.

Y5 - Earth and Space - describe the movement of the Earth and other planets relative to the Sun, describe the movement of the moon relative to the Earth, describe the Sun, Earth and Moon as approximately spherical bodies, use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

Y6 - Light - recognise that light appears to travel in straight lines and use this idea to explain that objects are seen because they give out or reflect light into the eye, explain that we see things because light travels from light sources to our eyes or from light sources to objects and then our eyes, use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Geography - Children will be learning the names and locations of world continents and countries using maps, atlases, globes and digital/computer mapping. They will be able to identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, Arctic, Antarctic, Greenwich Meridian and time zones. They will use talk for learning skills to enhance their learning and collaborate with others.

Literacy -

Year 3 and 4 - Our Literacy work will be based around 'The Hedgehog' by Dick King-Smith. Children will be working closely with the text and using it as a stimulus for writing a persuasive letter to help save the hedgehogs from the dangers of busy roads. We will also be using the Beatrix Potter animal tales as a stimulus for looking at characterisation of different animals in stories.

Year 5 and 6 - Our literacy work will be based around 'The Animals of Farthing Wood' by Colin Dann. Children will use the text as a stimulus for having a debate and writing a balanced argument about the destruction of woodland for the construction of new homes. In addition we will also be writing a persuasive letter giving consideration to the topic of animal testing.

PSHCE - Our PSHCE focus for this half term is on friendship.

Music - Year 5 & 6 will be learning about different time signatures and learning to play and perform a 3 beat piece of music as part of a group.

Year 3 & 4 pupils are going to be composing, performing and notating their own music based on a nursery rhyme.

P.E - All year groups will be focussing on 'Multiskills' which builds strength, agility and speed through a range of fun activities and obstacle courses. Year 5 and 6 will also be playing tag rugby to develop their team invasion game skills.

Art - (continued from last ½ term) Using their ideas based on experimentation from before half term, the children will create their own mixed media collages based on the different continents of the world.

Animal Encounters

Cycle 2 - Spring Term 2

Computing In computing we will be learning about algorithms, working with various forms of input and output and continuously 'debugging' along the way. This will be achieved through a variety of fun practical and online computing activities and will ultimately involve the children creating their own 'app' game.

Geography- Children will be working on a project where they compare their class animal to another animal from a different country in Europe. They will study and compare the UK's climate, food, physical geographical features (such as mountains, rivers and lakes) and human geographical features (such as population density and cultural practices) with another European country, looking at how each provides an ideal habitat for the animals they are studying and how that animal has adapted to their home country.

Science - All of our science topics will be enriched by our visit to Tilgate Nature Reserve

Y3 - (continuing from last ½ term) Plants - identify different parts of plants and their functions, explore what plants need to survive and how this differs between plants, how water is transported within plants, exploring the part that flowers play in the life cycle of flowering plants including pollination, seed formation and seed dispersal.

Y4 -Living things and their habitats - recognise that living things can be grouped in a variety of ways including the use of classification keys. Identify and name a variety of living things in their local and wider environment and recognise that environments can change which can sometimes pose dangers to living things.

Y5 - Living things and their habitats - Children will be studying and comparing the life cycles of animals and plants. They will be looking at: describing the differences in the life cycles of a mammal, an amphibian, an insect and a bird; describing the life process of reproduction in some plants and animals (not including humans) and at how animals look after their young.

Y6 - Light & Living things and their habitats - We will complete our unit of work on light in the first part of the half term. Once completed, we will move onto our new unit of work. Children will describe how living things are classified into broad groups according to common observable characteristics, similarities and differences. Children will be able to give reasons for classifying plants and animals based on specific characteristics.

Literacy -

Year 3 and 4 - The children will focus on Harry Potter and the Philosopher's Stone as a stimulus for their Literacy work. The children will analyse the text and identify how language is used to portray the magical world, write a character description, write their own spell and write a short story based upon their spell going wrong.

Year 5 and 6 - This unit of work focuses on classic fiction and is based on the Just William stories by Richmal Crompton. Children will have the opportunity to compare and contrast various stories and express their opinions/preferences giving justifications. Children will write a short character description, explore language used in the texts, explore the use of dialogue, write a short story and make predictions about what will happen next.

Computing - Children will learn about how the internet, email and blogging provide opportunities for world-wide communication.

Music - Indian music We will be listening to and learning about the different parts of Indian music composition. The children will create and perform their own piece and improvise rhythms on the drums as well as creating melodies to form a whole piece of Indian music.

PSHCE - Our PSHCE focus for this half term is going for goals and the world of work.

P.E - The children will be focusing on net and wall games such as tennis and volleyball.

DT /Art - Felt Making The children will be learning the skill of felt making. They will investigate and analyse a range of existing felt products and discuss the properties of felt in relation to its use. They will take their inspiration from famous North American landmarks to plan their product. They will design, make and evaluate a coaster and an additional product of their choice such as a mobile phone case, purse or a place mat. Alongside this project the children will record instructions on how to make their product. Year 6 will also write a précis of the felt making process.

Stars and Stripes

Cycle 2 - Summer Term 1

Geography- North America

Children will be locating North America and the countries, capital cities and regions within it using atlases. They will understand that the USA is divided into states and compare the similarities and differences between them in relation to physical and human geographical features. The children will then undertake an individual project on an area of North America. They will carry out their own research, plan, edit and redraft their work in order to produce a fact file on their chosen region.

Science - Y3 - Forces and Magnets - Compare how things move on different surfaces. Notice that some forces need contact between 2 objects but magnetic forces can act at a distance. Observe how magnets attract or repel each other and attract some materials and not others. Compare and group together a variety of every day materials on the basis of whether they are attracted to a magnet and identify some magnetic materials. Describe magnets as having 2 poles. Predict whether 2 magnets will attract or repel each other, depending on which poles are facing.

Y4 -Living things and their habitats - Identify and name a variety of living things in their local and wider environment and recognise that environments can change which can sometimes pose dangers to living things. Construct and interpret a variety of food chains, identifying producers, predators and prey.

Y5 - Living things and their habitats (cont'd) / Forces - Children will complete the unit of work on life cycles. Explain that unsupported objects fall towards Earth because of gravity. Identify the effects of air resistance, water resistance and friction. Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

Y6 - Living things and their habitats - Children will describe how living things are classified into broad groups according to common observable characteristics, similarities and differences. Children will be able to give reasons for classifying plants and animals based on specific characteristics.

Electricity - Children will begin this unit which will be completed in the second half of term.

Literacy - Treading the Boards

Year 3, 4, 5 and 6- Children will be introduced to William Shakespeare and learn about his life and work as an actor and playwright. They will learn about how his use of language impacted his audiences and has had lasting effect on the English language. They will read, prepare and perform extracts from his famous plays using intonation, volume and tone for effect. The children will also look at a selection of other plays and will write a persuasive advert for Joseph and the Amazing Technicolour Dreamcoat based on our visit to the Theatre Royal.

Year 6 only- The children will be learning about both sides of the EU referendum debate and they will be using their knowledge to prepare and deliver speeches to the rest of the school which will help them to decide how they would vote.

Computing - Children will learn about how the internet, email and blogging provide opportunities for world-wide

Music - Children will be learning and rehearsing songs in preparation for our school production. They will be working on vocal techniques, pitch and dynamics as well as simple harmonies.

P.E - The children will be focusing on athletics and badminton.

PSHCE - Our PSHCE focus for this half term is 'The World of Work'.

RE - Save, Support, Sustain - Children will be learning about a range of religious views on caring for one another and the world we live in. They will discuss the similarities and differences between them and use their own ideas to create guidelines for caring for each other and the world.

Treading the Boards Cycle 2 - Summer Term Part 2

Geography- Save, Support, Sustain

This unit of work focuses on teaching children to live and travel in a more sustainable way. It aims to engage children in the consequences of their actions both individually and as a group, and the role they can play to protect and make a positive difference in the world. The children will relate this to ways we can achieve this as a school.

Science - Y3 - Light - Recognise that they need light in order to see things and that dark is the absence of light, notice that light is reflected from surfaces, recognise that light from the sun can be dangerous and that there are ways to protect their eyes, recognise that shadows are formed when the light from a light source is blocked by an opaque object and find patterns in the way that the size of shadows change.

Y4 -Animals including humans - Construct and interpret a variety of food chains, identifying producers, predators and prey. Understand food webs and the impact that the environment can have on food sources.

Y5 -Forces - Identify the effects of air resistance, water resistance and friction. Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

Y6 -Electricity - Associate the brightness of a lamp or volume of a buzzer with the number and voltage of cells used in a circuit, compare and give reasons for variations in how components function, including the brightness of bulbs, loudness of buzzers and the on/off position of switches, use recognised symbols when representing a simple circuit in a diagram.

Year 5 and 6 will also complete a 3 week unit of work on SRE as discussed with parents.