

Class 3 Long Term Plan 2018-2019

Subject	Term 1	Term 2	Term 3
English	<ul style="list-style-type: none"> • To use 'Born to Run' by Michael Morpurgo to analyse features of fictional writing, to teach comprehension skills and to inspire children's own work in writing narratives, diary entries, newspaper articles, letters and playscripts. • To look at age appropriate WW1 poetry and place it in the social context of the time. • To use the playscript 'Archie Dobson' to analyse how playscript differs from narrative and to look at its features. 	<ul style="list-style-type: none"> • To analyse a range of non-fiction texts in order to learn about their features and layout. • To write explanations, instructions and chronological and non-chronological reports. 	<ul style="list-style-type: none"> • A study of a novel chosen by the children • The end of year KS2 performance <p>Throughout the year, the children will be taught the objectives for Grammar, Punctuation and Spelling. To meet the Speaking and Listening objectives, they will have the opportunity to take part in debates, public speaking, presentations of their work and performances.</p>
Maths	<ul style="list-style-type: none"> • Place value and number work. This includes – multiplying and dividing whole numbers and decimals by 10, 100 and 1000 and using mental strategies to add and subtract numbers e.g 120,000 + 4567. • Calculations using the four operations and then applying these skills to reasoning and problem solving. 	<ul style="list-style-type: none"> • Fractions. This includes – comparing and ordering fractions, adding, subtracting, multiplying and dividing fractions. • Equivalent fractions, decimals and percentages. • Angles • Measure 	<ul style="list-style-type: none"> • Ratio and proportion • Shape • Statistics
Science	<ul style="list-style-type: none"> • Light - In this unit, we will investigate how we see, 	<ul style="list-style-type: none"> • States of Matter- In this unit, the children will learn about the differences between solids, 	<ul style="list-style-type: none"> • <u>Animals including Humans-</u> Children will build on their knowledge and understanding of

	<p>shadows, reflection and refraction. The children will learn how light travels and how this enables us to see objects.. The children will have the opportunity to make a functioning periscope, finding out about mirrors and the angles of reflection and incidence. They will work scientifically and collaboratively to investigate refraction, carrying out some fascinating experiments into the effects of bending light. Furthermore, they will have chance to predict what will happen in an exciting investigation into the visible spectrum. They will work in a hands-on way to explore how light creates the colours we see, designing coded messages. Finally, they will learn about Isaac Newton and his theory of light and colour, performing a shadow puppet play about his discoveries and ideas.</p>	<p>liquids and gases, classifying objects and identifying their properties. The children will work scientifically and collaboratively to investigate the weight of a gas. Furthermore, they will have chance to find the ideal temperature to melt chocolate. They will explore in-depth how water changes state, exploring melting, freezing, condensing as well as a particular focus on evaporation. Finally, they will learn about the stages of the water cycle, creating mini water worlds and an interactive water wheel to represent the different stages.</p> <ul style="list-style-type: none"> • <u>Electricity</u>- Children will learn about what electricity is and how it was discovered. They will identify which appliances use electricity in their homes and how to keep themselves safe. Children will construct circuits, start to create pictorial circuits and conduct an investigation into how easily different types of switches can break and reconnect a circuit. • Children will learn to represent circuits using symbols in a diagram. They will learn about two of the most important scientific inventors 	<p>different systems within the body. They will research the parts and functions of the circulatory system. They will focus on how nutrients are transported around the human body. Children will explore how a healthy lifestyle supports the body to function and how different types of drugs affect the body.</p> <ul style="list-style-type: none"> • Y5/6 will learn about puberty and human reproduction. • <u>Scientists and Inventors</u> - the children will learn about famous scientists and inventors linked to the Upper Key Stage 2 science curriculum. They will learn about the life and work of Stephen Hawking, and carry out an investigation into Hawking’s theories on black holes. The children will learn about Libbie Hyman, a zoologist whose work on invertebrates informs much of what we know about the characteristics and classification of these creatures. Children will find out about the scientists who raced to prove the structure of
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	<ul style="list-style-type: none">• Sound - In this unit we will look at how vibrations cause sounds and how sounds travel, as well as how sounds can change pitch and loudness. The children will learn about how sounds are made, carrying out demonstrations of vibrations, and completing a sound survey of their school. They will work in groups to create a human model of the way particles pass sound vibrations on, and write and star in their own documentary explaining how sound travels. The children will work in a hands-on way to explore pitch, and will use their understanding of how high and low sounds are made to create their own set of pan pipes. They will have the opportunity to make a string telephone, and will use this to investigate how sounds change over distance and through different materials. The children will work scientifically and	<p>in the field of electricity – Thomas Edison and Nikola Tesla. Children will get the opportunity to develop their understanding of what electricity is and how to measure it. As well as conducting their own investigation, they will get the opportunity to create their own torch!</p>	<p>DNA, and the controversies surrounding this discovery. They will learn about the role of DNA in inheritance, and create their own model of a DNA molecule. The children will find out about Alexander Fleming and his discovery of penicillin, and will interpret data in a scatter graph to come to a conclusion about the effects of penicillin. They will look at the evidence for human evolution, and will learn about Mary Leakey and her role in finding significant fossil evidence, and what her fossils prove about evolution. Finally, children will find out about the life and work of Steve Jobs, and his development of new electronics and technologies.</p>
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	<p>collaboratively to investigate the best material for soundproofing, in the context of making a music studio quieter. Finally, they will demonstrate their learning from the whole unit by designing and creating their own musical instrument that will play high, low, loud and quiet sounds.</p> <ul style="list-style-type: none"> • 		
History	<ul style="list-style-type: none"> • To learn about the main causes of the First World War and to know the names of some of the countries involved. Through the performance of the play 'Archie Dobson', the children will learn what the war was like for the soldiers at the front and for the families at home. 	<ul style="list-style-type: none"> • Ancient Egypt- They will learn in depth about the achievements of this ancient civilisation. They will learn about how and where the ancient Egyptians lived, what was important to the daily lives of ancient Egyptians, who Tutankhamun was and how mummies were made. The children will also learn about how Egyptian people used hieroglyphs to communicate and compare the powers of different gods. 	<ul style="list-style-type: none"> • Shang Dynasty -The children will learn who the Ancient Shang people were, where and when they lived, using maps and atlases to locate Shang cities. They will also learn about the role of the king, the religious beliefs and rituals of the Shang people and how oracle bones were used in divination ceremonies. The children will also examine a range of Shang artefacts and draw conclusions about what they can teach us. The unit ends with a close look at the remarkable discovery of the first intact Shang tomb which belonged to the military general and high priestess Fu Hao.

Geography	<ul style="list-style-type: none"> • Rivers- including local study of river and coasts • Water cycle and how water is treated for use. • map work – visit to local river 	<ul style="list-style-type: none"> • North America –Identifying different states on a map and locating America on a world map. Discuss climate and weather patterns, including hurricanes/ tornados due to the location of these areas. • Identify Yellow Stone Park as an area of geographical interest -tectonics – 	<ul style="list-style-type: none"> • The UK – map work – major cities – compare landscapes (lake district, mountains, coast, transport, London) - export/ import • Climate and weather in the UK • Where does our food come from?
Computing	<ul style="list-style-type: none"> • Programming – Kodu • Internet safety 	<ul style="list-style-type: none"> • Photo viewer 3 to make animal documentaries • 3d modelling • Internet safety 	<ul style="list-style-type: none"> • Spreadsheets • Webpage design • Internet safety
Art	<ul style="list-style-type: none"> • Colour- drawing 	<ul style="list-style-type: none"> • Collage 	
Design and Technology	<ul style="list-style-type: none"> • Bread -making 	<ul style="list-style-type: none"> • Nutrition and Healthy Eating 	<ul style="list-style-type: none"> • Cams – mechanical systems in products
P.E	<ul style="list-style-type: none"> • Games – Rugby • Swimming 	<ul style="list-style-type: none"> • Street Dance • Gym equipment 	<ul style="list-style-type: none"> • Athletics • Swimming
Music	Throughout the year the children will be learning a range of musical instruments (ukele, boomwhacker, steel drums, African drums). As well as this, they will be learning to listen to and appraise different genres of music and compose their own music.		
French	The children will be learning French throughout the year.		

