







Year 5 Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths 	Number - Place Value Number – Addition and Subtraction Number – Multiplication and Division Number - Fractions		Number - Multiplication and Division Number - Fractions Number – Decimals and Percentages Geometry – Perimeter and Area Statistics		Geometry – Properties of Shapes Geometry – Position and Direction Measurement – Converting Units Measurement - Volume Number - Negative Numbers Number – Four Operations Review	
Reading 	The Silver Swan (2 weeks) Robot Girl (2 Weeks) Eye of the Wolf (3 weeks)	Journey to Jo’Burg (2 weeks) There’s a Boy in the Girls’ Bathroom (3 weeks) 1 week - Poetry	Firework Maker’s Daughter			Beetle Boy
Writing 	<i>What I Did Not Do This Summer!</i> <i>Picture Prompt Narratives</i> <i>In Our Hands</i> Curiosity – The Story of a Mars Rover Black History Month – Fan of Four Bonfire Safety Guide How to Steal Christmas (Author Visit Unit)		The Promise The Tooth The Present The Odyssey (Author Visit Unit)		The Lost Happy Endings Natural Disaster News Hidden Figures Green Hall Survival Guide	
History Geography 	Geography – Breath-taking Biomes Children will learn about the Earth’s biomes and that each biome has distinct climatic conditions, flora and fauna. They will also consider how human activity can negatively impact biomes. They will learn about different biomes, including Tundra, Taiga and Savannah. Finally, they will learn how biomes are threatened by climate change and human activity.	History – Medieval Monarchs In this unit, children will build on their knowledge of the Dark Ages that they covered in Year 4. They will explore the period leading up to, and immediately after the Norman Conquests of 1066. They will learn about the significance of the Doomsday Book and the conflict between monarchy and religion. Children will learn about some of the key medieval monarchs and the qualities that made a good monarch. Finally, children will think critically, weigh evidence, sift arguments, and develop perspective when exploring changes in Europe around religion in this period.	Geography – Migration By the end of this unit, the children will be able to discuss and explain what migration is, how migrants can vary and how migration can affect people and places. They will also explore the impact of economic migration, why some people are refugees and look at reasons why people become refugees. Finally, children will learn about how climate change could affect migration.	History – Amazing Ancient Greece During this unit, children will learn that the modern world owes a lot to the ancient Greeks. They will consider the many Greek ideas and inventions we still benefit from today, including: the Olympic games, Ancient Greek theatres, architecture and literature. Exploring the theme of social equality, children will discover how democracy was established and how it has impacted our political system today. They will explore rich avenues of enquiry to discover what else we can thank the Ancient Greeks for and investigate how their legacy continues to influence our daily lives in surprising and significant ways.	Geography – Going Green In this unit, study Energy and Sustainability. They will find out what it means to be sustainable and discuss how this involves people, the environment and the economy. They will discover how fossil fuels are extracted, learn how this process impacts the Earth and consider whether or not this is a sustainable source of energy. They then go on to compare examples of both renewable and non-renewable energy sources, and how humans are planning to change the ways they produce energy. Finally, children undertake fieldwork with a study of the sustainability efforts of our local community, which they will then compare to the efforts made in Curitiba, Brazil – a model of sustainable city planning!	
Science 	Earth and Space In this unit, the children will learn to describe the Earth, sun and moon as roughly spherical bodies and describe the movement of Earth and other planets relative to the sun. They should be able to explain day and night using a model of the Earth and Sun. Pupils will learn that the Sun is a star at the centre of our solar system and that it has eight planets.	Forces This unit follows on from work done on magnets in Year 3. Pupils will explore falling objects and raise questions about the effects of air resistance. They will explore the effects of air resistance by observing how different objects such as parachutes and sycamore seeds fall. They should experience forces that make things begin to move, get faster or slow down. Pupils should explore the effects of friction on movement and find out how it slows or stops moving objects. Pupils will explore the effects of levers, pulleys and simple machines on movement. Pupils will find out how scientists, for example, Galileo Galilei and Isaac Newton helped to develop the theory of gravitation.	Properties and changes of materials In this unit, the children will build on their knowledge of materials and their properties to understand why certain materials are used for different purposes. They will build a deeper understanding of properties such as solubility and conductivity (electrical and thermal) and investigate changes in materials that occur in the process of dissolving to form a solution as well as reversing this process. They will investigate different ways to separate mixtures and understand the difference between reversible and irreversible changes.		Living things and their habitats Pupils will study and raise questions about their local environment throughout the year. They will observe life-cycle changes in a variety of living things, for example, plants in the vegetable garden or flower border, and animals in the local environment. They will try to grow new plants from different parts of the parent plant, for example, seeds, stem and root cuttings, tubers, bulbs.	Animals, including humans In this unit the children will observe changes in an animal over a period of time (for example, by hatching and rearing chicks), comparing how different animals reproduce and grow. Pupils will work scientifically by researching the gestation periods of other animals and comparing them with humans; by finding out and recording the length and mass of a baby as it grows. They will find out about the work of naturalists and animal behaviourists, for example, David Attenborough, Jane Goodall and Dian Fossey. Pupils will find out about different types of reproduction, including sexual and asexual reproduction in plants, and sexual reproduction in animals (not inc. humans as this will be covered in Year 6 SRE). Pupils will construct a timeline to indicate stages in the growth and development of humans. They will learn about the changes experienced in puberty (this is covered as part of SRE programme).
Art/DT 	Art:	DT: Food	Art: Architecture Drawing from observation, creating prints, drawing from different perspectives and learning about the role of an architect.	DT: Structures This topic develops your understanding of secure structures and introduces you to measuring, sawing and joining wood accurately. After learning	Art: William Morris Project Inspired by the intricate floral patterns of local artist William Morris, Year 5 will complete still life watercolours of lilies, turn these into repeating patterns	DT: Textiles Creating your own stuffed toy is a really fun project as you can bring your drawings to life and make them as challenging or as simple as you choose. Not only does this topic give you the chance to apply skills you have learned

					about different types of bridges and also exploring how the strength of structures can be affected by the shapes used, you will create your own wooden bridge and test its durability.	and then engrave their designs onto foam tiles for print-making. Thinking about using design for a purpose, the children will then experiment with using different colours to create floral patterned tote bags.	in previous topics, it also introduces you to a new skill – the blanket stitch.		
R.E. 	Why do some people believe God exists? This investigation enables pupils to learn in depth from different religious and non-religious groups about belief in God. Pupils enquire into the key question- raising questions about the nature and existence of God focussing on Christian ideas about God. Pupils will consider why people do or don't believe in God and the impact that might have on the way they live their everyday life. This investigation provides an opportunity to meet Christians, agnostics and atheists and ask questions about why they do or don't believe in God.	What would Jesus do? Can we live by the values of Jesus in the twenty-first century? This investigation enables pupils to learn in depth from Christianity, considering in a detailed way some teachings of Jesus and the ways they are applied today. Pupils will consider examples of what Jesus said, and how Christians today respond to the challenges of his teachings	If God is everywhere, why go to a place of worship? This investigation enables pupils to learn in depth from different religious and spiritual ways of life about worship, drawing out more detail, history and diversity through focussing on places of worship. Pupils learn about the various purposes of a place of worship as well as how believers see these places. Pupils think about the idea of God's presence on earth and in believers' lives.		P4C	What does it mean to be a Muslim in Britain today? This unit enables pupils to learn in depth from different religious and spiritual ways of life about being a follower of the Muslim religion. Pupils explore the five pillars of Islam and the importance of these to Muslim believers. This investigation provides an opportunity to learn about the Qur'an and other forms of guidance and visit a Mosque.	Revisit and revise		
PSHE 	Keeping & Staying Safe Zones of Regulation Peer Pressure Adults' & Children's Views	Keeping & Staying Healthy Smoking Adults' & Children's Views	Growing and Changing Puberty Adults' & Children's Views	Being Responsible Zones of Regulation Looking out for others Adults' & Children's views	Feelings and Emotions REVISIT: Grief Anger Adults' & Children's Views	Computer Safety Image Sharing Adults' & Children's Views	The Working World Enterprise Adults' & Children's views	A World Without Judgement Inclusion and acceptance Adults' & Children's views	First Aid First Aid Year 5 Adults' & Children's Views
	Life Skills (Level 2) Self-image, Decision Making, Smoking, Advertising, Dealing with Stress, Communication Skills, Social Skills, Assertiveness								
French 	French Monster Pets Pupils use their language detective skills to identify key facts about an animal. They learn vocabulary for the parts of the human body and use this information to match pictures of monsters to the correct description. They describe hybrid animals, carefully choosing the correct article to go with masculine or feminine nouns, and create their own monster pet to describe.	Space Exploration This unit transports children into space, developing their scientific vocabulary as well as their grammar. Links can be made with English as they use figurative language and develop their sentence structure by adding adjectives, making comparisons and also with our KS2 computing topic on space.	Shopping in France Through games, stories and role-play, pupils develop vocabulary that they could use on a trip to France, as well as building their understanding of sentence structures, questions and phrases. They also develop their language detective skills when faced with an entirely unfamiliar text.	French Speaking World Pupils learn to give and follow directions in French and to use comparative language, which they practise as they explore different French speaking countries.	Verbs in a French Week Pupils learn the verbs 'avoir' and 'être', identify the infinitive and other forms of verbs, and learn to use the correct verb ending for different subject pronouns, whilst recognising that some verbs are irregular.	Meet my French Family Preparing a short, written presentation to describe family members and their preferences, using the correct form of mon, ma and mes, and making sure of adjectival agreement.			
Computing 	Search Engines Recognising that information on the internet might not be true or correct. Know how to use keywords to quickly find accurate information.	Programming Music Composing music using code through Sonic Pi or Scratch pupils can compose simple tunes culminating in a 'battle of the bands' using loops of music.	Mars Rover 1 Pupils explore inputs and outputs as well as Binary numbers to understand how the Mars Rover transmits and receives data and how scientists are able to control it to explore another planet!	Micro: bit Programming a small device called a micro:bit to display animations or messages on its simple LED display using block coding.	Stop motion animation Collaboratively creating a stop-motion animation by sharing and then decomposing their ideas. Pupils will develop their ability to edit and improve their creations.	Mars Rover 2 Children learn how the Mars Rover is able to send images all the way back to Earth and experiment with online CAD software to design new tyres for it.			
PE 	Swimming Fitness	Yoga Basketball	Dance Hockey	Gymnastics Tennis	Cricket Athletics	Football Tennis			
Music 	Charanga Units Weekly - Keys of Inspiration Lesson								