

Year 8 Curriculum Plans

Subject	Autumn Term					
English	Shakespeare - Students will be introduced to Jacobean context and explore various extracts from plays ranging from 'Romeo and Juliet' to 'As You Like it'; they will develop their ability to critically analyse a character.			Animal Farm - Students will use George Orwell's famous novel as inspiration for speech and article writing by exploring key themes such as conflict and rebellion.		
Geography	'Astounding Africa' - Students will explore the continent of Africa in detail looking a breadth of human and physical Geography concepts with a focus on development.			'Astounding Africa' will continue and students will begin 'Amazing Asia' - Students will explore the continent of Asia in detail including the Middle East, will a key focus of super powers and globalisation.		
History	What was the most significant event of the Stuart period? - Students will explore key events from 1603 – 1714, up to and including the Restoration of the Monarchy.			How convincing is Emma Griffin's interpretation about the impact of the Industrial Revolution on ordinary people? - Students will also explore the impact of the Industrial Revolution in our local area.		
Maths	Ratio and Scale – Students will continue their learning of ratio from year 7. Students will learn proportional problems involving the ratio m:n, comparing ratios and fractions and understanding π as a ratio.	Multiplicative Change – Students will extend their learning from ratio and scale, linking this to various forms including graphs and currency conversion.	Multiplying and Dividing Fractions –students will deepen their understanding by using multiple representations to multiply and divide any fraction with another fraction or integer.	Working in the Cartesian Plane – Students will learn to draw and recognise graphs, exploring both positive and negative gradients and linking these to linear sequence.	Collecting and Representing Data – Students will learn the difference between discrete and continuous data, being able to represent these as scatter graphs or in frequency tables. Students will also learn to describe non-linear relationships.	Tables – Students will learn how to represent and find probabilities from samples space diagrams, two-way tables and Venn diagrams.
Physical Education	Students Will Know- Advanced skills in a Football, Netball, Trampolining, Basketball and OAA as well as more advanced rules,		Students Will Show How To - Apply the key teaching points in	Progression - Students will start to learn and apply more advanced skills building on their base knowledge/skills from Y7. This will start to make them more capable of having success within competitive scenarios and		

	tactics, and compositional ideas. They will also know the location of more major muscles and bones.	Football, Netball, Trampolining, Basketball and OAA as well as apply core skills in performances and apply appropriate tactics and rules.	give them a better strategical advantage. Students will be able to use this information to start to be able to evaluate skills, tactics and compositional ideas in Y9.
RE	What is the covenant? Students will investigate the origins of the Abrahamic faiths looking at some of the similarities and differences between them.		Who was Jesus? An exploration of the life of Jesus and how it affects the lives of Christians today.
Science	Forces and Space – This unit explores the concepts of forces and their effects and extends students' knowledge of friction, gravity and springs. Students then move onto the Solar System and Earth, including the seasons, Earth's magnetic fields and gravity.		Plant and Animal Reproduction - Exploring how animals and plants reproduce in order to survive as a species. Developing knowledge from fertilisation through to birth and the changes puberty will bring alongside the various length's plants will go to ensure they reproduce.
Spanish	<p>Students will learn: The most frequently used vocabulary in the Spanish language, such as the essential verbs, family members, adjectives for describing people, places, positions, activities in the home such as chores and technology.</p> <p>Students will know how to: ask and answer questions about their family and what they do to help at home and describe where they live and what people are like, what they do with technology, where they go and when. They will also start using the future tense to describe future plans.</p>		

Subject	Spring Term	
English	Dystopian Fiction - Students will explore in-depth extracts from novels including 'The Hunger Games', 'Divergent' and '1984' culminating in an analysis of a key character.	Poetry from 'Around the World' - Students will analyse a range of poems from different cultures. They will analyse themes and key ideas in order to complete a comparative response to two poems.
Geography	Student will continue with their study of 'Amazing Asia' and then begin 'Sensational South America' - The human and physical geography of regions within this continent along with the impact of humans on this region of the world.	'Sensational South America' - The human and physical geography of regions within this continent along with the impact of humans on this region of the world.



History	How democratic was Britain by 1918? - Students will explore the progression of democracy in Britain from Peterloo to the First World War.		Did the blood of others build Britain? - Students will examine the triangular trade, treatment and emancipation of enslaved people.			
Maths	Brackets, equations and inequalities – Students will learn to use directed number with algebra, expand a pair of binomials and extend this knowledge to solve both equations and inequalities involving brackets.	Sequences – Students will learn to generate sequences from a rule given as words and algebraically. Students will learn to find a generalised nth term of a simple linear equation	Indices – Students will learn to simplify expressions using laws of indices for multiplication and division. Students will explore powers of powers.	Fractions and Percentages – Students will learn to calculate fractions and percentages of amounts, explore percentages as multipliers for an increase or decrease and work with percentage change. Students will learn to choose an appropriate method to solve percentage problems	Standard Index Form – Students will learn to convert fluently between any number written as an ordinary number or in standard form. Students will learn to add and subtract numbers written in standard form both mentally and with a calculator.	Number Sense – Students will learn to use estimations to check calculations. Students will understand and use error interval notation and solve problems involving time and the calendar.
Physical Education	Students Will Know- Advanced skills in a Badminton, Handball, Dance and Fitness as well as more advanced rules, tactics, and compositional ideas. They will also know the components of diet	Students Will Show How To - Apply the key teaching points in Badminton, Handball, Dance and Fitness as well as apply core skills in performances and apply appropriate tactics and rules.	Progression - Students will start to learn and apply more advanced skills building on their base knowledge/skills from Y7. This will start to make them more capable of having success within competitive scenarios and give them a better strategical advantage. Students will be able to use this information to start to be able to evaluate skills, tactics and compositional ideas in Y9.			

	and structure and function of the respiratory system	
RE	What is the purpose of life? Key Hindu beliefs about life and death. How do we live good lives? What is our ultimate purpose?	Do we need to suffer? A look at Buddhist beliefs and teachings on 'truth' and suffering. What do Buddhists believe and how does it affect their lives?
Science	Electricity and Magnetism - Explore how the everyday world is largely a consequence of electrical charge and develop an understanding of how electricity and magnetism help us develop technology to improve lives.	Chemical Reactions - Investigating the periodic table and representing chemical reactions using formulae and equations. Exothermic and Endothermic reactions are introduced followed by displacement reactions, as students determine the method of extraction of a metal due to its position in the reactivity series.
Spanish	<p>Students will learn: the language for describing events in the past and present, such as travel, celebrations, activities such as chores in the home, school and free-time activities. They will also know key verb structures and vocabulary for work and technology/social networks, routine activities such as daily life and how we care for the environment.</p> <p>Students will know how to: recognise and use different tenses; the past, present and future to be able to describe what they do in a variety of contexts; school; the home; free time; daily life. They will also develop their ability to talk about what others do in different time frames.</p>	

Subject	Summer Term				
English	The Gothic - Students will learn about the genre and how it came to life through texts such as 'Dracula'. Inspired by these tales, they will complete a gothic short story.				
Geography	Global Issues – Students will explore the ever-present issue of resource management and waste disposal and the impacts that this is having of a global scale				
History	What does it mean to be British? - Students will explore the growth of the British Empire and investigate the impact of the British Empire in India and Australia.		Has life really improved for African American people in the 21 st Century? - Students will explore how life changed for Black people in America after the American Civil War.		
Maths	Angles in Parallel Lines and Polygons – Students will learn	Area of Trapezia and Circles – Students will learn to find the	Line Symmetry and Reflection – Students will learn to recognise symmetry and reflect a shape in	The Data Handling Cycle – Students will learn how to design and criticise questionnaires. Using Data students will draw and interpret various	Measures of Location – Students will understand and use the mean, median and mode choosing the most



	to use basic angle rules and notations. Students will investigate angles between parallel lines and the transversal. Students will learn to construct triangles and quadrilaterals. Students will calculate missing interior angles of regular polygons.	area of a trapezium, circle and compound shapes including areas taught in previous years.	either a horizontal, vertical or diagonal line.	statistical diagrams including bar charts, line charts, pie charts choosing the most appropriate of these for a given data set.	appropriate of the three averages and the range to compare distributions.
Physical Education	Students Will Know- Advanced skills in Athletics, Cricket, and Rounders as well as more advanced rules, tactics, and compositional ideas. They will also know the components of fitness and principles of training.	Students Will Show How To - Apply the key teaching points in Athletics, Cricket and Rounders as well as apply core skills in performances and apply appropriate tactics and rules.		Progression - Students will start to learn and apply more advanced skills building on their base knowledge/skills from Y7. This will start to make them more capable of having success within competitive scenarios and give them a better strategical advantage. Students will be able to use this information to start to be able to evaluate skills, tactics and compositional ideas in Y9.	
RE	Does religion encourage equality? Students explore Muslim beliefs and teachings on equality, poverty and injustice. How do Muslim charities put these beliefs into practice?			What beliefs are central to Christianity? A look at the Creed, Trinity and miracles both in the Bible and in the world today.	
Science	Waves - This unit looks at how sounds are made, transmitted and detected, some uses of sound and compares sound waves with waves on the surface of water. This is followed by how light travels and	Evolution and Inheritance - Students explore the ideas about the causes of variation and then looks at inherited variation in more detail. DNA is introduced before students consider how inherited genes can affect an organism's survival and finally investigates natural selection and the evidence for it.		Earth's Resources - Students investigate how the composition of the Earth's atmosphere depends upon the balance of substances that are continually entering and leaving it and how this affects the Earth's climate.	

	what happens when it meets an object.		
Spanish	<p>Students will learn: the language for describing a series of events and peoples' feelings. They will learn language for opinions about school and sports. Students will also learn about a famous Spanish speaking person and about Hispanic traditions.</p> <p>Students will know how to: give their opinions, make comparisons and describe people and things in a variety of tenses; past, present and future. They will by now start to develop in confidence when talking about others and giving more detailed descriptions.</p>		

Subject	Carousel 1	Carousel 2
Art	<p>Hundertwasser - Students are introduced to the work of Hundertwasser. They continue to develop their drawing skills and understanding of abstract composition. Students develop skills using a range of media.</p>	<p>Hundertwasser - Students will transform their own composition designs into a clay tile. Students will create their own "bizarre building" using card construction techniques and making links to the work of Hundertwasser.</p>
Computing	<p>Introduction to Python Programming - This unit introduces learners to text-based programming with Python. The lessons form a journey that starts with simple programs involving input and output, and gradually moves on through arithmetic operations, randomness, selection, and iteration.</p> <p>Cyber security - This unit takes learners on a journey of discovery of techniques that cybercriminals use to steal data, disrupt systems, and infiltrate networks.</p> <p>Media – vector graphics - This unit offers learners the opportunity to design graphics using the vector graphic editing software Inkscape.</p>	<p>Mobile app development - Today, there is an app for every need. Within this unit learners are taken through the entire process of creating their own mobile app, using App Lab from code.org.</p> <p>Developing for the web - In this unit, learners will explore the technologies that make up the internet and World Wide Web. Starting with an exploration of the building blocks of the World Wide Web, HTML, and CSS, learners will investigate how websites are catalogued and organised for effective retrieval using search engines.</p> <p>Media – animation - Films, television, computer games, advertising, and architecture have been revolutionised by computer-based 3D modelling and animation. In this unit learners will discover how professionals create 3D animations using the industry-standard software package, Blender.</p>

<p>Design and technology</p>	<p>Zoo recycling project Students will start to understand the key concepts and skills needed to find solutions to design problems such as Analysis, Designing /communication and making. Students will be creating a recycled keyring using bottle tops and a package to house the product. Students will also start to develop knowledge on Sustainability and the 6R's and look at how they affect the environment.</p>	<p>Practical skills Properties of materials</p>
<p>Drama</p>	<p>'Lord of the Flies'- by Nigel Williams Students practically explore a full and substantial play text, focusing on characterisation, subtext, theme, symbolism and using performance skills to convey meaning and character.</p>	<p>'Fairy Tales'- students will explore traditional fairy tales, focusing on their 'cautionary nature', as well as narrative structure and characterisation. The focus will be on 'Rumpelstiltskin'. Students will create a version of their own play, based on a fairy tale, which has a didactic (educational) function for the intended audience.</p>
<p>Food</p>	<p>Students will produce a range of healthy products using a range of different cooking skills to develop their confidence in the kitchen. They will investigate the reason why food is cooked and different storage methods required to store food safely. They will learn about conduction, convection and radiation and will investigate the provenance of flour and gelatinisation in sauce making.</p>	<p>Students will produce a range of healthy products using a range of different cookery skills to build their confidence in the kitchen further. They will study nutrition in more depth linking to nutritional needs and health. Special dietary requirements, food choice and ethical issues will be explored.</p>
<p>Music</p>	<p>Popular Music /Band skills – Students will learn chords, as well as how to play the drums and bass guitar. They will use their music skills learnt throughout the year to perform as part of a pop band ensemble, experimenting with these new instruments, but still focusing on creating a quality performance. Explore how to use voice in the correct way.</p>	<p>The Blues Context, history and influence of blues music. Developing keyboard skills and ensemble performance/composition skills. Looking it improvisation and how to perform it effectively. Riffs and Hooks Exploring how short melodic ideas can be arranged to create pieces of music</p>