

Year 9 Termly Curriculum

	English	Mathematics	Combined Science	Art	Computing/ Computer Science	Drama	DT	Engineering	Food & Nutrition	Geography	History	Physical Education	RE	MFL	MUSIC
Term 1	<p>Adventure Stories- In this module, students explore a range of non-fiction and fictional texts focusing on world explorers, treacherous expeditions and momentous discoveries. Students are taught how to identify bias within texts and how to analyse writers' intentions, tone and perspective. Students will develop their own transactional writing skills via diary, letter and article writing, as well as creating their own imaginative adventure stories.</p>	<p>Students will extend their understanding of laws of indices, utilising their fluency of arithmetic with positive and negative numbers, powers and roots to work with fractional indices. They will also deepen their understanding of standard form and are introduced to adding and subtracting of numbers in standard form. Students have worked with squares and square roots and will now apply this to simplification and arithmetic with surds. As students enter this third year, there is an increased emphasis on problem solving as students learn to write error intervals and link it to calculations with bounds.</p>	<p>In Biology - We are going to explore cells and transport in Biology. This topic explores how to use microscopes, cells and transporting substances. In Chemistry - We are going to explore the 3 states of matter looking deeper into the arrangement and energy through particle theory. In Physics - Conservation of Energy. This topic covers energy transfers and where we get energy from.</p>	<p>Artist Observation - Jasper Johns. Jasper Johns is an extension of the Pop Art Movement. Students will use a variety of media to work on a Jasper Johns influenced piece. Students are given constant verbal feedback to improve their levels.</p>	<p>Software - Students will learn about different types of software and the role they play in computer systems. There is a large emphasis on the role of operating system software that the relevant management applications that the operating system is involved with. In addition, students will learn about various utility software and the differences in licensing between open source and proprietary software.</p>	<p>Theatre styles: The aim of this module is to introduce students to the different theatre styles, such as physical theatre, melodrama, immersive theatre and naturalism. This will enable students to have a range of ideas at their disposal when they come to creating devised work, or work from a script.</p>	<p>Shelter</p> <p>Students will focus on modelling throughout the project. An emphasis on iterative design will help the students to understand the design process.</p> <p>They will also learn about key designers.</p> <p>Students will complete an end of topic theory test on timbers.</p>	<p>Metal Structures</p> <p>Students will learn how to create a card scale model from their design idea. Using the model as a guide, it will help in creating their own design from metal using a variety of tools to help e.g. metal scribe, hacksaws and cold form bending to make their hooks.</p> <p>Students will complete an end of topic theory test on metals.</p>	<p>Food Science</p> <p>Students will be introduced to the ways in which heat is transferred to food and the effects that it has on certain foods. They will also learn about the chemical properties of food and the function of foods in certain recipes. This will all be taught through theory and practical lessons that support each other. Students will have a practical assessment at the end of the module which will assess their independent abilities with food practical skills as well as a written assessment testing their knowledge of heat transfer, chemical properties and functions of food.</p>	<p>Term 1 The First term of year 9 sees students studying globalisation, looking at why the world has become more interconnected and the benefits and drawbacks that it brings. Using the example of a mobile phone students will learn about the different manufacturing stages of products and the impacts that these have on different countries. Students will also look at trade, fairtrade and how consumers can make ethical decisions to improve the lives of producers around the world.</p>	<p>In term one, we begin with studying a unit called World War One and the Women's Suffrage Movement and look at the origins, causes and the war itself. We cover the following topics:</p> <ul style="list-style-type: none"> Main Causes of the War The Assassination of Archduke Franz Ferdinand The Early Stages of the War Signing up The Trench System and conditions in the Trenches The Battle of Somme 	<p>Rugby/Football/Netball. Students begin to identify components of fitness needed to play specific sports and justify why they are needed using sporting examples. Students apply skills learnt in previous years to game based scenarios and continue to develop correct technique and consistency when performing the skill.</p>	<p>Ethics</p> <p>What are Moral Codes?</p>	<p>Family - Describing your family, relationships in your family, the changing face of the family in the 21st century in UK and target country, conflicts at home and resolutions for them.</p>	<p>Minimalism: Students explore the music of Steve Reich, Philip Glass and other great minimalist composers. This unit consolidates and extends the students' understanding of musical theory, their ability to respond critically to a musical piece, and their compositional confidence. Students explore advanced techniques such as phase shifting, microtonality and polytonal harmonies.</p>
Term 2	<p>The Woman Black - Within this novella study, students are introduced to "The Woman in Black", an infamous tale which has inspired many modern supernatural and horror texts. A gothic ghost story set in Edwardian era with a Victorian style, students are taught to identify conventions and explore Susan Hill's craft.</p>	<p>Students spend considerable time working with inequalities in this term, applying their understanding of manipulations of algebraic expressions and solving equations to this unit of work. Students also review their work on equations of straight lines from the previous academic year and apply this to drawing inequalities and regions on coordinate axes. This term will also focus on quadratic equations, exploring graphical and algebraic methods in detail. The remainder of the term covers applying their understanding of inverses in order to rearrange formulae and solving simultaneous equations algebraically and graphically.</p>	<p>In Biology - We are going to study enzymes and how different factors affect their activity. In Chemistry - We are going to explore the structure of the atom further and look at how it is constructed. We are then going to link it to structure to the modern Periodic table. Additionally, we will look at how our modern Periodic Table has developed through time. In Physics - We are going to explore waves. Describing waves, waves calculations, refraction, waves crossing boundaries, the ear, ultrasound and infrasound.</p>	<p>Cultural - World War matchbox. The matchbox project asks the students to produce a 3D response to the art work of the Second World War and the Holocaust. This will be a mixed media project using a craft matchbox. Students are given verbal and written feedback to help improve their levels.</p>	<p>Digital media - Students will spend term 4 utilising the Adobe Creative Suite including Photoshop. Students will get a brief from a client which they will need to interpret, plan appreciate pre-production materials such as mood boards and visualisation diagram. Students will then create and evaluate a professional product for the client meeting their requirements.</p> <p>E-safety and software - Student will learn about the importance of staying safe, how to be safe online and how to be a positive online presence. Students will also explore the ethical side of computing and explore what overall effect they have had on different societies</p>	<p>DT, Engineering and Food work on a rotational basis at KS3. Students study each subject for a third of the year to ensure they get the opportunity to explore all specimens in purpose built classrooms. The schemes of learning are listed below but the sequence will vary.</p>	<p>DT, Engineering and Food work on a rotational basis at KS3. Students study each subject for a third of the year to ensure they get the opportunity to explore all specimens in purpose built classrooms. The schemes of learning are listed below but the sequence will vary.</p>	<p>Term 2 sees students look at the development of global cities. This builds on the fundamental knowledge of topics studied in year 7 and 8. They start to look at the bigger picture of the causes of growth. Looking at the challenges of the world's growing population and us passing the 8 billion mark.</p>	<p>In term two, we continue with our study of World War One and then go on to consider the significance of the Women's suffrage movement. We cover the following topics:</p> <ul style="list-style-type: none"> The Homefront The End of the War The position of women before the 20th century The early suffrage movement - The Suffragettes A move to militancy - The Suffragettes Responses the Suffragettes The role of the Suffragettes during World War One Essay Skills Assessment - Significance Question 	<p>Rugby/Football/Netball. Students begin to identify components of fitness needed to play specific sports and justify why they are needed using sporting examples. Students apply skills learnt in previous years to game based scenarios and continue to develop correct technique and consistency when performing the skill.</p>	<p>Humanism</p> <p>How do Humanists conclude what is good?</p>	<p>Environment - Studying the world and how we can help the environment. Comparing UK and target language approach to the environment. Modal verbs and more complex grammar.</p>	<p>Film Music: Students learn about the conventions of Film music. They acquire an understanding of how to compose music to create an intended effect in the listener. Students have the opportunity to compose to the moving image, as well as listening to a wide variety of music and learning more about orchestral arrangements.</p>		
Term 3	<p>Macbeth - Students study the full Shakespeare play with a focus on characterisation and tragic conventions. This builds on the students understanding of the tragic hero from their Heroes and Villains module in Year 7.</p>	<p>Students review area and circumference of circles and extend this to area and perimeter of sectors. Students will use their fluency of solving equations to form and solve equations in order to find the size of angles in sectors. Students will advance from surface area and volume of prisms and other 3D solids. Students are introduced to trigonometry using Pythagoras and SOH CAH TOA to find the size of missing lengths and angles in right-angled triangles. Students will review their work on transformations of 2D shapes and make links to their unit of work on similarity and congruence.</p>	<p>In Biology - We are going to explore Cells and Control. This topic explores how specialised cells how the body grow and send signals. In Chemistry - We are going to explore how different metals and metal and non-metal atoms join together to form compounds we use and see in our everyday lives. In Physics - We are going to explore light and the electromagnetic Spectrum. Ray diagrams, colour, lenses, electromagnetic waves, the electromagnetic spectrum, using the longer wavelengths, using the shorter wavelengths, radiation and temperature and the dangers of electromagnetic radiation.</p>	<p>Still Life - Peppers. Students will use a variety of medium as they observe the subject of peppers as primary and secondary sources. They will mount and present their work, looking at GCSE standards and composition.</p>	<p>Systems Architecture and algorithms - Students will study the hardware that underpins the internal workings of a computer system and gain an understanding of how these components work together and share data.</p> <p>Algorithms - Students will learn key algorithms that the computer uses when searching and sorting data.</p>	<p>Practitioners: In this module we look at the three 'giants' of the theatre world: Stanislavski, Brecht and Artaud. By understanding the influence of these practitioners, students are better able to understand the development of Western theatre, and are equipped with lenses through which to interpret the productions that they see, as well as techniques that they can apply to their own work.</p>	<p>Term 3 for year 9 students sees them develop their understanding of the natural resources and how humans need, use and exploit them. To understand the changing energy mix of the UK and the world focusing on the development of renewables. To appreciate the impact of human population, increase and threats to biodiversity. Including looking at Geological timescales. Through this, students will also look at the case studies of the countries linked to the supply of our vital resources.</p>	<p>In term three, we study a unit called 'The Rise of the Dictators' where we focus on inter-war Europe with a specific focus on Russia and Germany. We cover the following topics:</p> <ul style="list-style-type: none"> Russia - Background, Revolution and Lenin The Rise of Stalin Hitler and the Road to Power Hitler's consolidation of power Life in Nazi Germany Appeasement and causes of World War Two 	<p>Table Tennis/Trampoline/Fitness. Students develop understanding of what it means to lead an active healthy lifestyle, linking those to components of fitness needed for specific sports and highlighting areas to improve in individual performance. Students will be encouraged to try a more complex range of skills such as somersaults, and turn tables.</p>	<p>Applied Ethics + Sanctity of Life</p> <p>Who are we?</p>	<p>Holidays - Where you go, have gone and will go, practicing the most common tenses. Describing activities on holiday and practicing tourist and travel transactions. How to deal with problems and ask for directions in Target Language country.</p>	<p>Peer Gynt symphony Students perform musical ideas from Peer Gynt, and explore the richness of orchestral music, learning to listen in detail to a piece of music, as well as exploring the programmatic elements of the music.</p>			
Term 4	<p>Salt to the Sea (Whole novel study) - Salt to the Sea offers a different perspective on World War 2. It tells the story of four individuals who make their way to the ill-fated MV Wilhelm Gustloff, exploring themes of identity and morality. This will support students with their poetry study (of war poems) in Term 5.</p>	<p>Students will find averages from a list of data and learn to calculate quartiles in order to construct boxplots. This will be the focus of their statistical investigation project. Students will also learn to draw and interpret cumulative frequency diagrams and then use these diagrams to construct boxplots. Alongside histograms and time-series graphs, students will construct probability trees for both independent and dependent events.</p>	<p>In Biology - We are going to continue to explore Health, Disease and the Development of Medicines. This topic explores various types of diseases, how diseases spread and how we fight off diseases. In Chemistry - We are going to explore rates of reactions which explores how changing the conditions surrounding a reaction can affect how fast the product is made. Physics lessons will focus on radioactivity, atomic law and nuclear issues.</p>	<p>Art Movement - Pop Art Childrens Toys. Students look at elements of the Pop Art Movement, they will draw from primary and secondary source material to produce a response using the formal elements of colour shape and pattern.</p>	<p>Python hardware - Students spend Term 4 getting to grips with the Raspberry Pi. Students will learn the fundamentals of displaying messages on to the screen including the current date and weather making using of advance libraries in python.</p>	<p>Devising project: This module provides an opportunity to engage in the devising process, synthesising all of the key skills and techniques learned so far this year. This provides students with the chance to develop key skills that are essential for any involvement in theatre productions, as well as being easily transferable to other collaborative projects in the workplace: problem-solving, self-reflection and communication skills. Devising a piece of drama is also a chance for students to really flex their imaginative muscles and engage with the world around them.</p>	<p>Term 4 Term 4 sees students study oceans, looking at them as a diverse and unique ecosystem and how the human interaction with the sea are having a negative effect. Students will also look at the growing concerns behind microplastic and the impact on the oceans and humans alike.</p>	<p>In term four, we study a unit called 'World War Two and the Holocaust'. We cover the main events of World War Two and the intricacies of the catastrophic event which is the Holocaust. We cover the following topics:</p> <ul style="list-style-type: none"> Blitzkrieg Dunkirk Battle of Britain + War on two fronts The Significance of Alan Turing D-Day Potsdam/Yalta The Holocaust Interpretation Skills Assessment - the Holocaust 	<p>Athletics/Badminton/Ultimate Frisbee. Students will further analyse performance, describing technique using correct muscle groups and articulating bones. Students will be able to justify why performance was successful in terms of skill efficiency and execution.</p>	<p>Philosophy</p> <p>Does God exist?</p>	<p>Technology - Mobile phones, internet and social media. Advantages and disadvantages of technology. Opinions and justifications.</p>	<p>Samba</p> <p>More complex rhythms are now performed, and the intricacies of the samba tradition are conveyed through ensemble performance and listening to a range of samba styles.</p>			
Term 5	<p>Journey's End/ War/ Conflict Poetry - Students are exploring a cluster of war poems and applying the ideas and contexts of these poems to their understanding of a short play. Students will be developing their poetry analysis skills from Year 8 and will be comparing conventions of different texts and formats.</p>	<p>Students conclude the year reviewing compound interest and depreciation and make links to exponential functions; a topic covered in detail at key stage 4. Students will work on ratio, forming and solving algebraic equations from equivalent ratios. This will provide opportunities for students to review their understanding of solving both linear and quadratic equations from earlier in the year. Students will build upon their previous work on proportion to form equations that model both direct and inverse proportion. As part of their financial maths module, students will be taught about paylips, alongside an exploration of investments and risk.</p>	<p>In Biology we will be studying growth and cellular control. Students will understand how cells divide and differentiate and how the body is controlled by nervous impulses. Physics will focus on motion and forces and in Chemistry, we will explore bonding models.</p>	<p>William Bunce & Delaunay. Students will be looking at the work of the two artists above and explore form, shape, line and colour. They will produce a 3D sculpture in paper relating to Bunce's work. Students will then be expected to create an Delaunay inspired background against which they will develop a Bunce drawing. This will help at GCSE Assessment Objective 2 and 4.</p>	<p>Networks - Students learn the fundamental rules that govern communication between computer systems. Students also study the hardware required for network communication as well as the different types of network setup and their correct application and advantages</p>	<p>Term 5 for year 9 students this is a final topic of KS3 and an accumulation of what will be a strong foundation of geographical knowledge. Students will demonstrate a good level of locational knowledge and their spatial awareness applying to an interesting new topic of Dark Geography.</p>	<p>In term five, we study a unit called 'Social and Political Protest in the UK and USA - A comparative study'. We consider the role of race and sex in both the UK and USA and compare the experiences of women and black people in both countries.</p>	<p>Rounders/Cricket/Softball. Students are encouraged to demonstrate leadership and contribute ideas to team success. Students will continue to develop ways to outwit opponents, and strategically place shots. Students will analyse throwing technique and discuss the correct angle of release to create a successful throw.</p>	<p>Christianity</p> <p>How did Christianity become what it is today?</p>	<p>Health and illness - Describing the body, health and fitness, illness and injury. Conversations in a pharmacy or at the doctor's. Describes symptoms, injuries and treatments. What you should and shouldn't do to keep healthy and in shape.</p>	<p>Rock Music</p> <p>All elements of music are present within group performance and composition in which students will specialise in their preferred instrument/voice, and work collaboratively to compose their own rock pieces for performance.</p>				