



# Programme of Learning for Year 8 – Autumn Term

| RE  | English  | Maths   | Science   | Language  | Music   |
|---|--|---|---|---|---|
| <p><b>ETHICS</b><br/>Know what 'ethics' is. Know the Ten Commandments, Jesus' moral laws in the 'Sermon on the Mount, the Beatitudes. The role of conscience in moral decision-making. The importance of free will and know how Catholics use free will. Know the five precepts of Natural Law. Know why Christians are called to evangelise and how the Church evangelises locally, nationally and globally.</p> <p><b>HEROES AND VILLAINS</b><br/>To explore how Biblical figures demonstrate making choices and the consequences of these as well as God's relationship with humans.</p> | <p><b>HORROR &amp; THE GOTHIC – DESCRIPTIVE WRITING</b><br/>Know what Gothic means and its associated conventions / features. Know the meaning of the acronym PETAL. Know how to paragraph accurately and how to vary the structure for effect. Know how to craft language for specific effects. Know what phrases and clauses are and the difference between them. Know how to make inferences based on the language used in texts</p> <p><b>DARK POETRY</b><br/>Students will complete a themed poetry unit with a focus on being able to closely analyse the language, form and structure of carefully chosen texts. This unit builds on the introduction of poetry in Year 7 and also incorporates contextual ideas for the first time in order to develop the link section in the taught PETAL structure.</p> | <p><b>Number Skills</b><br/>4 operations using efficient methods; Multiply and divide by powers of 10; 4 operations with negative numbers; BIDMAS.</p> <p><b>Factors, Multiples, Primes &amp; Squares</b><br/>Identify multiples and factors of numbers; HCF and LCM of 2 numbers; Identify prime numbers; Know square numbers up to 15 x 15; Square root; Prime factor trees; HCF and LCM using prime factors and Venn diagrams.</p> <p><b>Fractions</b><br/>Find equivalent fractions; Order and simplify fractions; Find fractions of amounts; 4 operations with fractions; Convert between mixed numbers and improper fractions; Convert fractions to percentages and decimals.</p> <p><b>Basic Algebra</b><br/>Write expressions; Simplify like terms; Multiply and divide terms; Substitute positive integers into simple linear expressions; Expand single and double brackets; Factorise simple expressions.</p> <p><b>Rounding and Bounds</b><br/>Round to any given power of 10, nearest unit, one and two decimal places, significant figures; Estimate using one significant figure; Find upper &amp; lower bounds; Simple bounds calculations.</p> <p><b>Decimals</b><br/>Order decimals; Convert decimals into fractions and percentages; 4 operations with decimals.</p> <p><b>Percentages</b><br/>Find percentages of amounts; Know equivalent FDP; Calculator and non-calculator percentage change; Express one thing as a percentage of another; Use a multiplier to increase or decrease by a percentage</p> | <p><b>BIOLOGY: GENETICS</b><br/>Know and Understand Variation, Natural Selection, Extinction, the importance of protecting biodiversity, inheritance, genetic modifications and DNA. Know who Charles Darwin is and his contribution.</p> <p><b>CHEMISTRY: ELEMENTS, PERIODIC TABLE, COMPOUNDS, BALANCING EQUATIONS</b><br/>Know different compounds, Chemical formulae, Polymers, and the elements in each group.</p> <p><b>PHYSICS: WAVES</b><br/>Know and understand sound waves, light waves, frequency and pitch. Know and understand how the ear and hearing works. Know how reflection and refraction works. Know how we see colour.</p>   | <p><b>FRENCH: VIVE LES VACANCES!</b><br/>Know how to talk about the holidays, trips, the weather, and meeting friends. Know how to say things that went wrong during the holidays.</p> <p><b>FRENCH: J'ADORE LES FÊTES</b><br/>Know how to talk about festivals. Know large numbers. Know how to describe special days. Know what to say when buying food.</p> <p><b>SPANISH: MI VIDA</b><br/>Know how to talk about yourself and what you like doing. Know how to describe friends using adjectives. Understand different nationalities. Know how to talk about places in town.</p> <p><b>SPANISH: DIVIÉRTETE!</b><br/>Know how to talk about T.V., films &amp; using comparatives. Know how to invite someone to go out. Know how to add expression to spoken Spanish. Know how to make excuses. Know how to describe what someone else likes/dislikes.</p> | <p><b>THEME AND VARIATIONS</b><br/>Know staff notation and understand about 'theme and variation' in music. Know how to make a composition on the keyboard.</p> <p><b>BLUES MUSIC</b><br/>Develop an understanding of the Blues through research, listening, performing and composing.<br/>Develop keyboard skills<br/>Knowledge of chords, in particular those used in a 12 bar Blues.<br/>Performing a Blues piece individually or in a small group.<br/>Use flats and sharps within their performance.<br/>Explore the music from another culture with a reflection on the historical impact Blues has made on the development of pop music.</p> |
| <p><b>Art</b></p> <p><b>COCO COLA CULTURES</b><br/>Explore appropriate images related to given culture. Design work by Coca-Cola. Link culture and Coca-Cola. Explore a range of materials, techniques and processes. To produce a piece/s of art based on their culture relating to Coca-Cola bottle designs.</p>  | <p><b>History</b></p> <p><b>SLAVERY</b><br/>Know what slavery is and the historical examples of it. Know what part Britain played in the transatlantic slave trade. Understand the horrors of the Middle Passage. Know what life was like on the plantations. Know the significance of Solomon Northup and Harriet Tubman. Know how the issue of slavery divided Americans. Know the events leading up to and after the abolition of slavery. Know how the KKK affected the lives of African-Americans. Know the Civil Rights Movement and the Black Power Movement.</p>   | <p><b>Technology</b></p> <p><b>TEXTILES: MONSTER CUSHION</b><br/>Smart materials, sampling, pattern making, sewing skills</p> <p><b>FOOD TECHNOLOGY: FOOD, NUTRITION &amp; KITCHEN SKILLS</b><br/>To use a range of skills to produce a complex dish<br/>Modify a dish to make it more nutritional balanced for active teenagers<br/>Follow time plan to produce chosen dish</p> <p><b>DESIGN TECHNOLOGY: MOOD LIGHT</b><br/>Health &amp; Safety.<br/>Introduction to electronics, wire stripping, soldering, making and drilling a PCB and attach components, testing and fault finding.</p>   | <p><b>Geography</b></p> <p><b>GEOGRAPHICAL JOURNEYS</b><br/>Know how to map altitude. Know the link between altitude and distance. Know how to use atlas skills to identify features of the river Nile. Know how to use maps with lines of longitude and latitude.</p> <p><b>TECTONIC HAZARDS</b><br/>Know the structure of the earth e.g. plate boundaries, movement and faults, geological timescales and plate tectonics. Know the different types of volcano and the link to plate tectonic. Understand tectonic plates and boundaries involved in causing tectonic hazards in Indonesia, the vulnerability of the Indonesian population to tectonic hazards, and events surrounding the eruption of and tsunami caused by Anak Krakatau.</p> | <p><b>Drama</b></p> <p><b>PHYSICAL THEATRE</b><br/>Show an understanding of physical theatre practitioners. Know how to work in the same style as chosen practitioners. Know how to create pieces of physical theatre. Know how to perform physical theatre work with an understanding and application of performance skill.</p> <p><b>COMMEDIA AND PANTOMIME</b><br/>Know the meaning of physical comedy. Understand different pantomime and commedia conventions such as gibberish, slapstick, and improvisation skills. Understand the links between Commedia Dell'Arte and Pantomime, Know how to use gender swapping in Pantomime. Understand how to address the audience and encourage audience participation.</p>  | <p><b>PSHCE</b><br/>Self-esteem, Friendship, Anti-Bullying, Illegal Drugs, British Values: growth mindset, empathy and perspective taking exercises, metacognition, and promotion of social cohesion. Relationship and Sexual Education: Grooming</p>   |
|   |  |   |   |   | <p><b>PE</b></p> <p><b>BOYS</b><br/>Football, Rugby, Fitness, Handball</p> <p><b>BOYS</b><br/>Swimming, Gymnastics, Netball</p>   |