

Year 8 Half Term 5 Curriculum

Subject	Half Term 5 – Topic/Summary of Powerful Knowledge
English	<p><u>Murder Most Foul (Crime fiction):</u></p> <ul style="list-style-type: none"> • Crime tropes • Victorian, Golden-Age, Hardboiled Detective and Modern crime fiction • Withholding information and gradual reveal • Show not tell • Sensory language • Characterisation - the detective hero (male, female, hardboiled) <p>Main texts: <i>Murders in the Rue Morgue</i> (Poe) and <i>The Speckled Band</i> (Holmes)</p>
Maths	<p><u>Angles in parallel lines & polygons</u></p> <ul style="list-style-type: none"> • Understand and use basic angle rules and notation • Investigate angles between parallel lines and the transversal • Identify and calculate with alternate and corresponding angles • Identify and calculate with co-interior, alternate and corresponding angles • Solve complex problems with parallel line angles • Constructions triangles and special quadrilaterals • Investigate the properties of special quadrilaterals • Identify and calculate with sides and angles in special quadrilaterals • Understand and use the properties of diagonals of quadrilaterals • Understand and use the sum of exterior angles of any polygon • Understand and use the sum of the interior angles in any polygon • Calculate missing interior angles in regular polygons • Prove simple geometric facts • Construct an angle bisector • Construct a perpendicular bisector of a line segment <p><u>Area of trapezia & circles</u></p> <ul style="list-style-type: none"> • Calculate the area of triangles, rectangles and parallelograms • Calculate the area of a trapezium • Calculate the perimeter and area of compound shapes (1) • Investigate the area of a circle • Calculate the area of a circle and parts of a circle without a calculator • Calculate the area of a circle and parts of a circle with a calculator • Calculate the perimeter and area of compound shapes (2) <p><u>Line symmetry & reflection</u></p> <ul style="list-style-type: none"> • Recognise line symmetry • Reflect a shape in a horizontal or vertical line 1 (shapes touching the line) • Reflect a shape in a horizontal or vertical line 2 (shapes not touching the line) • Reflect a shape in a diagonal line 1 (shapes touching the line) • Reflect a shape in a diagonal line 2 (shapes not touching the line)
Science	<p><u>Ecosystems 2</u></p> <ul style="list-style-type: none"> • Aerobic respiration • Anaerobic respiration • Biotechnology • Photosynthesis • Leaves • Investigation photosynthesis

	<ul style="list-style-type: none"> • Plant minerals <u>Waves 2</u> <ul style="list-style-type: none"> • Sound waves and water waves • Radiation and energy • Modelling waves <u>Earth 2</u> <ul style="list-style-type: none"> • Global warming • The carbon cycle • Climate change
History	<u>Civil Rights at home and abroad</u> <ul style="list-style-type: none"> • Emancipation Proclamation • Rise of the KKK • Post war Civil Rights – Brown Case, Little Rock, Rosa Parks and the Bus Boycott, murder of Emmett Till, Dr King – I have a Dream.
Geography	<u>Coasts and Oceans:</u> <ul style="list-style-type: none"> • Weathering processes • Rock types and rock cycle • Erosion, transportation and deposition • Why do coasts change • Coastal landforms
Spanish	<u>Mi Moda:</u> <ul style="list-style-type: none"> • Talking about what you wear and fashion • Demonstrative adjectives • The present continuous tense • Talking about shopping • Using indefinite adjectives • Visiting a shopping centre • Using cardinal and ordinal numbers
Art	<u>Op Art and Links to 20th Century Art, Textiles Weaving</u> <ul style="list-style-type: none"> • Contextual studies- Bridget Riley, Victor Varsely and Textile artist Anni Albers, • Working with Media and mixed media; • Developing skills in paper, fabric weaving, and 3D sculpture.
Computing	<u>Animation in CC</u> <ul style="list-style-type: none"> • Using animate CC software • Using light skin • Learning about environment colours
DT	<u>Block bots</u> <ul style="list-style-type: none"> • Drawing techniques • Design ideas • Health and safety in the workshop • Small tools and equipment • Joining methods
Food Preparation & Nutrition	<u>Factors that affect food choices</u> <ul style="list-style-type: none"> • Macro and micronutrients, source, function and deficiencies and excesses • Food labelling and the law • Factors that affect food choices – religion, vegetarianism/veganism

	<ul style="list-style-type: none"> • Scottish shortbread • Vegetable samosa • Quorn Curry
Drama	<u>Devising – Missing Person</u> <ul style="list-style-type: none"> • Responding to a specific stimulus working within a specific dramatic genre. • Building tension utilising the explorative strategies. Being selective in the strategies that they use to aid the creation and development of their piece. • Creation and development of an original character • Application of explorative strategies to develop characterisation
Music	<u>Understanding Popular Music</u> <ul style="list-style-type: none"> • Different genres of popular music (rock, hip hop, rock and roll and reggae). • Key instruments found in each genre. • The typical structure of a pop song. • Listen to and analyse music of key influential artists (Chuck Berry, Bob Marley, Alicia Keys and ACDC).
PE	<u>Development of skills and tactics in one of the following sports : swimming, rounders, badminton, athletics and football.</u> <ul style="list-style-type: none"> • Focus on bones in the body. • Continual development of fitness levels and knowledge of interval training. • Taster session on a new sport.
RE/PSHE	<u>From Slavery to Freedom:</u> <ul style="list-style-type: none"> • The origins of Judaism • Abraham and the patriarchs • The Synagogue • The life of Moses