

Year 9 Half Term 4 Curriculum

Subject	Half Term 4 – Topic/Summary of Powerful Knowledge
English	<p><u>A Sense of Belonging (20th Century fiction):</u></p> <ul style="list-style-type: none"> • Theme of family love and guidance • Misunderstanding and misconceptions • Symbolism • Parallelism and repetition • The themes of injustice, subjugation and oppression • Narrative structure - chain of events and cyclical narrative • Social reform <p><i>Main text: To Kill A Mockingbird (Lee)</i></p>
Maths	<p><u>Deduction</u></p> <ul style="list-style-type: none"> • Angles in parallel lines (Recall) • Solve angle problems using chains of reasoning • Angle problems with algebra • Conjectures with angles • Conjectures with shapes • Link constructions and geometrical reasoning <p><u>Rotation and translation</u></p> <ul style="list-style-type: none"> • Identify the order of rotational symmetry of a shape • Compare and contrast rotational symmetry with line symmetry • Rotate a shape about a point on a shape • Rotate a shape about a point not on a shape • Translate points and shapes by a given vector • Compare rotation and reflection of shapes • Find the result of a series of transformations <p><u>Pythagoras' theorem</u></p> <ul style="list-style-type: none"> • Squares and square roots (Recall) • Identify the hypotenuse of a right-angled triangle • Determine whether a triangle is right-angled • Calculate the hypotenuse of a right-angled triangle • Calculate missing sides in right-angled triangles • Use Pythagoras' theorem on coordinate axes • Explore proofs of Pythagoras' theorem • Use Pythagoras' theorem in 3D shapes
Science	<p><u>Structure, bonding and the properties of Matter A</u></p> <ul style="list-style-type: none"> • Chemical bonds • Ionic bonds • Ionic compounds • Covalent bonding • Metallic bonding • Three states of matter <p><u>Forces A</u></p> <ul style="list-style-type: none"> • Forces • Speed • Acceleration • Velocity –time • Calculations of motion

	<ul style="list-style-type: none"> • Heavy or massive <u>Variation and evolution A</u> <ul style="list-style-type: none"> • Variation • The theory of evolution • The origin of species
History	<u>Inter War Years –</u> <ul style="list-style-type: none"> • USA 1920's • economic boom, • rise of the KKK • Prohibition • 'Roaring Twenties' • US society • Wall Street Crash
Geography	<u>Urbanisation:</u> <ul style="list-style-type: none"> • Salford Quays regeneration • Megacities • Growth of megacities • Rio de Janeiro case study
Spanish	<u>Mi insti:</u> <ul style="list-style-type: none"> • Talking about school subjects • Using the verb 'estudiar' • Giving more detailed opinions about school subjects • Using explanations with 'que' • Using slang expressions • Describing a timetable in a Spanish school • Telling the time
Art	<u>Portraiture and Pop Art:</u> <ul style="list-style-type: none"> • Drawing facial features and portraits in pencil exploring; Line, tone, shape, form texture, mark making. • Watercolour painting development pieces.
Computing	<u>Spreadsheets</u> – students to learn how to use spreadsheets to store, manipulate and analyze data. Skills covered will include: <ul style="list-style-type: none"> • Formula • Formatting • Modelling
DT	<u>SMART and modern materials</u> <ul style="list-style-type: none"> • Understanding Smart materials and their surroundings. • Free hand sketching and shading techniques • Evaluation of product through the iterative design process
Food Preparation & Nutrition	<u>Skills for life</u> <ul style="list-style-type: none"> • Food safety in relation to the 4cs used in industry • Key temperatures in food safety • Recap macro and micronutrients, source, function, excess and deficiency • North African Cous cous salad • Bread based pizza • Cheese and onion triangles
Drama	<u>Responding to a Stimulus based on a Theme</u>

	<ul style="list-style-type: none"> • Exploration of a range of stimuli using the theme of alcohol use/misuse. Using a range of explorative strategies to explore different issues related to alcohol. • Use of voice and movement skills to create character.
Music	<u>Composing Original Music-Using Music Software</u> <ul style="list-style-type: none"> • Using music technology to manipulate and edit musical ideas. • Recording music using a midi keyboard. • Composing a melody. • The benefits of using music technology in the recording of music. • How to create a complete section of music (minimum 8 bars). • How to apply dynamics to a composition.
PE	<u>Development of skills and tactics in one of the following sports : gymnastics, football, softball, athletics and badminton.</u> <ul style="list-style-type: none"> • Focus on muscles and muscles movements related to sporting actions. • Participation in an interform competition. • Continual development of fitness levels and knowledge of fartlek training.
RE/PSHE	<u>Options and Pathways:</u> <ul style="list-style-type: none"> • The skills we need for work. • The options process • Rights and responsibilities of the workplace • Religious vocation • The life of Mother Theresa