

Subject	Overview
Mathematics	<p>Students will study the following:</p> <ul style="list-style-type: none"> • Gradients and Lines: Students will learn how to plot a straight line from a given equation and find the equation of a straight line from a graph and/ or given information. Students will look at the equations of perpendicular lines. • Non-Linear graphs: Students will develop their knowledge of non-linear graphs, looking at quadratic, cubic and reciprocal graphs, recognising the different shapes. They will solve quadratic equations to find the roots of the equation, proving this graphically. Students will look at simple exponential graphs and the equation of a circle, centred at (0,0). • Using Graphs: Students will revisit conversion graphs and reflection in straight lines. Students will also construct and interpret other real – life graphs, involving speed, distance and time. Students will then study how to find the area under a curve using the ‘trapezium rule’. <p>Homework: Sparx Maths Homework will be set weekly throughout this half term, set each Monday and due to the following Monday.</p> <p>Assessments: w/c 22nd September – Gradients and Lines End of Unit Assessment w/c 6th October – Non-Linear Graphs End of Unit Assessment</p>
English	<p>Students will study the following:</p> <ul style="list-style-type: none"> • 3 lessons a week exploring the plot, themes and characters from Blood Brothers by Willy Russell. • 2 lessons a week will be focused on developing their skills in exploring a range of non-fiction texts and developing their own transactional and discursive writing in line with GCSE English Language Paper 2. <p>Homework: Weekly Seneca Assignment Language Paper 2 writing tasks</p> <p>Assessment:</p> <ul style="list-style-type: none"> • Week 6: Blood Brothers Question • Week 7: Letter Writing
Science	<p>Students will study the following:</p> <ul style="list-style-type: none"> • Biology: Environment: Students learn about human impacts on the environment, including deforestation, pollution, and climate change. They study the importance of sustainability, waste management, and conservation. Key topics include the greenhouse effect, global warming, biodiversity loss, and strategies for reducing negative effects on ecosystems to promote a more sustainable future. Genetics and inheritance: Students learn about the passing of traits from parents to offspring, genetic inheritance, dominant and recessive genes, co-dominance, and sex-linked inheritance. • Chemistry: Industrial chemistry- Students learn about factors affecting the rate of reactions, including temperature, concentration, surface area, and catalysts. They explore collision theory, activation energy, and how reaction rates are measured. Practical investigations involve monitoring changes in reactants/products, and students apply these concepts to real-world processes, such as industrial chemical reactions. Organic chemistry - Students learn about organic compounds, focusing on hydrocarbons like alkanes and alkenes. They study reactions, including combustion and explore crude oil refining and fractional distillation. • Physics: Circuits - Students learn about electric current, charge, potential difference, and resistance. They study series and parallel circuits, Ohm’s Law, and I–V characteristics of components like diodes and filament lamps. The topic includes practical investigations to develop skills in measuring current and voltage, constructing circuits, and analysing data. Students also explore domestic electricity and safety features in household wiring. Key topics include Ohm’s Law, circuit

	<p>diagrams, calculations of electrical power, and practical applications such as fuses and circuit breakers, along with the safe use of electricity.</p> <p>Homework: Students will complete quizzes on Seneca assigned by their class teacher.</p>
German	<p>Students will study the following:</p> <ul style="list-style-type: none"> • Social and Environmental issues: Students will achieve an understanding of vocabulary to describe social activism, environmental problems and solutions. • Grammar: Students will revise and develop past tense. They will develop conditional verbs and future time frames to describe events in the future. • Homework: Homework will be weekly and set through a vocabulary booklet to revise previous topics. <p>The Speaking Mock exam will be w/c 24th November. Students will need to speak without notes on their chosen theme.</p>
Geography	<p>Students will study the following:</p> <ul style="list-style-type: none"> • Ecosystems: <ul style="list-style-type: none"> ○ Students will understand the food and nutrient cycle and know how it impacts the environment around it ○ Students will know the main biomes found across the world ○ Students will understand how human factors can impact ecosystems ○ Specific case studies: Tropical Rainforest and Deciduous Forest <p>Homework: Homework will be set every two weeks, students will be completing the UK challenges booklet alongside 4- and 8-mark exam questions and Seneca memory retrieval.</p> <p>Assessment: A ecosystems Edexcel exam set of questions before HT.</p>
History	<p>Students will study the following:</p> <p>Elizabeth I: Challenges to Elizabeth at home and aboard</p> <ul style="list-style-type: none"> • The northern rebellion • The Catholic plots (Ridolfi, Throckmorton, Babington plots) • Relations with Spain • The Spanish Armada (causes and failures) <p>Elizabeth I: Society and the age of exploration</p> <ul style="list-style-type: none"> • Theatre and entertainment • Poverty • Exploration (Sir Francis Drake) • Walter Raleigh (Virginia and Roanoke) <p>End of Unit Assessment: Key features, Explain why, Evaluation of a historical statement</p>
GCCSE Religious Studies	<p>Students will study the following:</p> <p>Christianity:</p> <ul style="list-style-type: none"> • Sin and Salvation – How sin can affect your afterlife and how Christians seek atonement. • Christ's Role in Salvation – How the crucifixion played a part in human salvation. • End of unit Assessment. • Worship • Prayer • Holy communion.
PSHE	<p>Students will study the following:</p> <p>CEIAG- Careers Education, Information, Advice and Guidance</p> <ul style="list-style-type: none"> • Understanding post-16 options and the changing landscape of 16-18 education including apprenticeships and T-Levels, visitors from Blackpool Sixth and Blackpool and Fylde college and preparation for the Careers Fair and Mock Interviews. • What is a CV and what is it for?

	<ul style="list-style-type: none"> Learning to create a high quality first CV which can be used to secure part-time employment or apprenticeship interviews.
PE	<p>Students will study the following:</p> <ul style="list-style-type: none"> Girls: Team sport (outside), Team sport (Gym) and Individual sport (Outside) Boys: Team sport (outside), Team sport (Gym) and Individual sport (Outside)
GCSE PE	<p>Students will study the following:</p> <ul style="list-style-type: none"> Theory: Classification of skills, guidance, feedback and health and fitness. Practical: Climbing and Handball. <p>Homework: Students are expected to work on their coursework at home they are finishing part b. They can access this on their google classroom. They will also be given exam questions on everlearner to complete.</p>
Sports Studies	<p>Students will study the following:</p> <ul style="list-style-type: none"> The students are continuing work on their R185 where they will be delivering and evaluating their leadership sessions.
Health and Social Care	<p>Students will study the following:</p> <p>Unit R032 Topic 1 The rights of service user in health and social care settings</p> <ul style="list-style-type: none"> The students will be learning about the rights of individuals and how they are applied by service providers and the benefits of applying person-centred values. Also, effects on service users' health and well-being if person-centred values are not applied. <p>Homework: to complete exam questions for their exam in May.</p>
Music	<p>Students will study the following:</p> <ul style="list-style-type: none"> Discussion regarding what coursework has been completed last year Listening and Appraising music – set works knowledge Composition skills – possible recordings Solo and Ensemble performances – possible recordings
Performing Arts	<p>Students will study the following:</p> <p>Component 1 Exploring the Performing Arts</p> <p>Students will develop their understanding of the performing arts by examining practitioners' work and the processes used to create the performance. This half term they will focus on a piece of professional repertoire that is suitable to match the theme given by the exam board. Students will undertake written and some practical tasks-</p> <ol style="list-style-type: none"> 1. Creative intentions- theme, issues, response to stimulus, style/genre, contextual influences, collaboration with other practitioners, influences. 2. Purposes- to educate, to inform, to entertain, to provoke, to challenge viewpoints, to raise awareness or to celebrate. 3. Develop their appreciation and understanding of performance roles in relation to the profession piece-actor, dancers, and singer. 4. Develop their appreciation of non-performance roles in relation to the professional piece-choreographer, director, producer, writer, costume designer, set and lighting designer or technician etc. 5. Skills required by all the different production roles. <p>Homework: Students are to spend at least 1 hour on their coursework.</p>
Art	<p>Students will study the following:</p> <p>Students will be given the theme of Nature and will independently decide on what imagery they will create based on this. Students will develop a portfolio of work based on the theme of Nature using the following media.</p> <ul style="list-style-type: none"> Pencil and Graphite, Pen, Fine Liner and wash, Pencil Crayon, Mixed Media, Ink.

	<p>Homework: Collect images based on the theme of Nature, Artist Research project, sketchbook drawing tasks using pencil and pen.</p>
Art Textiles	<p>Students will study the following: Students will be continuing with their NEA coursework which is due at Easter. In this half term they will be focusing on:</p> <ul style="list-style-type: none"> • Students will continue to develop their idea. • Students will complete the manufacture of their final piece. <p>Homework: Each week students will be expected to spend at least an hour on their NEA.</p>
Design and Technology	<p>Students will study the following: Students will be continuing with their NEA coursework which is due to be completed in February 2026. In this half term they will be focusing on:</p> <ul style="list-style-type: none"> • Completing their research (Section A) • Writing a design brief and specification (Section B) • Completing initial ideas <p>Homework: Seneca assignments revisiting the theory content already covered. Students will be expected to work on their NEA.</p>
Computer Science	<p>Students will study the following: Topic Overview</p> <ul style="list-style-type: none"> • Data Representation. • Computer Systems. <p>This format is structured to provide a clear overview of the curriculum, assessments, and educational rationale for GCSE during the first term.</p> <p>Why this?</p> <ul style="list-style-type: none"> • Establishes the foundation for GCSE Computer Science by revisiting the core topics that will be strengthen the knowledge already acquired. <p>Why now?</p> <ul style="list-style-type: none"> • Consolidating the knowledge and learning from previous lessons. <p>Homework/ Assessment:</p> <ul style="list-style-type: none"> • End of term test covering binary systems, data representation and computer systems. • Formative assessment after the data representation is revisited. • Weekly problem sets focusing on binary conversions and exam questions.
Business Studies	<p>Students will study the following: Paper 2 Unit 5 Finance In this section, learners explore the purpose of the finance function, its role in business and how it influences business activity.</p> <p>5.1 The role of the finance function 5.2 Sources of finance 5.3 Revenue, costs, profit and loss 5.4 Break-even 5.5 Cash and cash flow</p> <p>Homework: SENECA assignments and past exam questions based on finance.</p>
Construction	<p>Students will study the following:</p> <ul style="list-style-type: none"> • Sept- Continue to develop designing skills for a building, remembering that they must take into consideration the wants / needs of the client. They will be improving drawing techniques both 2D and 3D. This is all in preparation for the second of Three components which they need to complete. This second component will officially begin in Oct 24 and marking will be completed and a sample of work sent to the exam board in Dec.