

What's on in Year 8?

Curriculum Overviews



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	Sequences – Generating terms of a sequence using a given rule. Recognising and using sequences of triangular, square and cube numbers and simple arithmetic progressions including Fibonacci-type sequences.	Linear Graphs – Plotting and interpreting graphs of equations and functions in real contexts. Identifying and interpreting gradients and intercepts of linear functions graphically and algebraically.	Percentages – Solving problems involving percentage change, increase/decrease, original value problems and simple/compound interest in real contexts.	Algebraic Manipulation – Using and interpreting algebraic notation. Substituting numerical values into formulae and expressions. Simplifying and manipulating algebraic expressions including expansion and factorisation.	Linear Equations – Solving linear equations algebraically. Volume & Surface Area - Calculating the volume and surface area of a range of 3D shapes, including cylinders.	Forming & Solving Equations - Deriving an equation from real-life and other contexts, solving the equation and interpreting the solution. Data Handling Project - Using and interpreting a range of charts, graphs and averages to present and analyse real life data.
English	Heroes and Villains: Shakespeare's Villains - Study a Shakespearean play focusing on the antagonist and their role within the text (Shylock in Merchant of Venice / Don John in Much Ado / Witches or Lady Macbeth in Macbeth).	Heroes and Villains: Unsettling settings - Analyse key extracts use the skills into their own descriptive writing. Anti-hero in modern media - media module focusing around anti-hero characters in modern fiction. Opportunity to analyse films and alternate media (i.e. comics).	Great Writers Past to Present - students will have the opportunity to engage with a wealth of 'Great Writers' to support their creative reading and writing skills. Opportunity for Spoken Language presentations on an author of the students' choice.	Of Mice and Men - students to study the novella and discuss why it's deemed a "great" piece of literature. Key focus throughout is presenting viewpoints on key issues raised - planning and drafting non-fiction writing (Steinbeck's letter to Clare Luce to be used).	Travellers' Tales from the Front Line - students to analyse key non-fiction texts and poems from people affected by war. Students will begin comparing the perspectives of people at home and away at war (theme of patriotism).	Travellers' Tales Travel Writing - Students to extend their narrative writing skills through lessons based on each of the New 7 Wonders of the World. Blue Planet- students to analyse Blue Planet before creating a presentation campaigning to protect the ocean from a chosen source of harm.
Science	Sports Science: The science behind developing a competitive sports team- Content includes knowledge on the impacts of diet and lifestyle on health and the bodies response to exercise, the physics behind designing sports equipment and getting the best performance out of athletes. Skills focus on identifying variables and constructing methods.	Sports Science: The science behind developing a competitive sports team- Content includes knowledge on the physics behind designing sports equipment and getting the best performance out of athletes. Skills focus on constructing graphs from data and interpreting results.	Sustainable mining and Cornwall- Content includes the development and trends of the periodic table and reactions used in industry to extract materials. Skills focus on identifying variables and constructing methods.	Sustainable mining and Cornwall- Content includes the impact of humans on the environment and atmosphere and how plants grow and develop. Skills focus on constructing graphs from data and interpreting results.	Future cities- Content includes electricity and its distribution, magnets, fuels and genetics. Skills to focus on how to collect precise data and changing investigations to improve precision.	Blue Planet- Content includes the oceans and the atmosphere, the use of resources and the role of ecology in determining mans impact on the environment. Skills focus on analysing complex data and suggesting methods to improve the data collected.
Geography	Danger Danger: Hazards Developing a case study, evaluation.	Predator and Prey Ecosystems Tropical rainforests. Understanding viewpoints.	Predator and Prey Ecosystems Deserts. Evaluation of responses.	Fieldwork to Eden and fieldwork skills and analysis.	Coasts The Rough Seas. Understanding and explaining process.	Pirates and the Horn of Africa. Development. Use of text in Geography and viewpoints. Understanding data.
History	Slavery & The Middle Passage: The Triangle Trade, The Middle Passage, Assessment Prep, Selling Slaves, Plantation Life. Historical Significance, Inference.	Jack the Ripper: Law & Order, Prison Reforms, First Police Force, Whitechapel Context "Why couldn't the police catch Jack?" Change and continuity, Inference.	World War I: Background / Causes of WWI, Alliances, The Schlieffen Plan, Support for the War, Fighting / Daily Life in the Trenches. Causation, narrative account, usefulness.	The Rise of the Nazis: The Treaty of Versailles & German Reaction, Rise of the Nazis, Nazi Propaganda, Life in Nazi Germany, The Holocaust. Usefulness, causation, how & why.	Superpower Relations & The Cold War: Intro to the Cold War, Breakdown of an alliance, The Berlin Blockade & Airlift, Hungarian Uprising, Berlin Refugee Crisis. Consequences, narrative account, Relationships.	Superpower Relations & The Cold War: Cuban Revolution & Cuban Missile Crisis, Prague Spring, Détente, Soviet Invasion of Afghanistan, Second Cold War, End of Soviet Union. Consequences, narrative account, Relationships.
MFL	Holidays. Vocabulary focus: holiday activities, modes of transport, the weather. Grammar focus: preterite tense, present tense. Cultural focus: travelling in South America, The Day of the Dead.	Towns: Vocabulary focus: town and local area, opinions. Grammar focus: comparatives and superlatives, present tense, conditional tense and near future tense. Cultural focus: comparisons of towns in Spain and France with the UK.	Free time and sport: Vocabulary focus: sports and free time, time-frames. Grammar focus: stem-changing verbs in the present tense, the imperfect tense. Cultural focus: sports specific to France and Spain.	Free time TV and film: Vocabulary focus: TV, films, social media and new technologies. Grammar focus: regular and irregular verbs, comparatives.	Social Media: Vocabulary focus: TV, films, social media and new technologies. Grammar focus: regular and irregular verbs, comparatives.	Shopping: Vocabulary focus: clothes, shopping, transactional language. Grammar focus: demonstrative pronouns, (formal language- usted/ vous). Cultural focus: when in Spain/France.

Art	Environment Knowledge & skills: Observational drawings from primary sources. Knowledge, Skills, Experiment: Primary source drawings, photographs & composition plans. Critical and creative thinking: Exploring land artists and those who explore environmental issues.	Environment Skills & Experiment: Drawing & beach combing, photography & sand sculpture. Skills & experiment: Exploring colours through mixing. Skills Experiment: Applying painting techniques to initial sketches & compositions. Knowledge & skills: Using observation and critical analytical skills.	Environment Final Piece.	Inside Outside and Inbetween Skills & Knowledge: Artists connections, experimenting with approaches to drawing using various media. Skills & Experiment: transforming 2-D into drawings in 3-D.	Inside Outside and Inbetween Skills: Drawing/designing & researching for a purpose e.g. to create a print or batik. Skills & experiment: Exploring own design work through different 2-D techniques.	Inside Outside and Inbetween Critical and creative thinking: Using photography compositional techniques. Skills & Knowledge: Using PS to manipulate photography work & explore how other artists approaches to this. Skills & experimentation Learning painting skills.
Drama	West Side Story: Performance Duologue.	Frantic Assembly: Chair Duet.	Confusions.	Devising with music.	Blood Brothers: Explorations of key scenes from the play.	Blood Brothers: Performance
Music	Musical Performance: Scale Degrees & Primary Chords in C and G Oranges & Lemons (Grade 1)	Musical Performance: Oranges & Lemons (Grade 1)	Musical Composition: Major Scales on Treble Clef & Bass Clef. Composing a melody & bass line accompaniment. ii-V-I cadence/Composing a melody and bass line accomp.	Musical Performance: This Old Man. (Grade 1)	Musical Performance: This Old Man. (Grade 1)	Grade 1 pieces: Recap all three Grade 1 Pieces and perform.
CLASS	Buddhism: Key Ideas, words, symbols and Buddhist teaching.	Alcohol: Understanding the short term and long term effects of alcohol on the body, arguments for and against reducing, limiting, quitting the drinking of alcohol.	Gender and Sexuality: Know about gender stereotyping and that gender is not binary.	Mental Health: Causes and symptoms of poor mental health and the strategies which can be used for addressing them.	Saving and borrowing: What saving and borrowing mean and why people do it; Key financial terms; How interests are different from bank to bank and how that effects the loan or savings.	Sexting: Identify the dangers of sexting; Describe the consequences of sexting and the legal consequences; Consequences of sexting and analyse why the age of consent for sex differs from consent to sexting.
PE	Skills through games, Resilience, Independence. Baseline challenges. Either Rugby, Netball or Gymnastics.	Skills through games, Resilience, Independence. Either Badminton, Gymnastics, Hockey or Tag Rugby. Inter beach tournament: Rugby & Netball.	Skills through games, Resilience, Independence. Either Dance, Football, Badminton, Gymnastics & Hockey.	Skills through games, Resilience, Independence. Either Dance, Football, Badminton, Gymnastics & Hockey. Inter beach tournament 2 Football & Hockey. Challenge retest.	Teamwork, Organisation, Skills and Rules. Either Athletics, Cricket, tennis or rounders. Sports day selections.	Skills through games, Resilience, Independence. Either Athletics, Cricket, tennis or rounders. Beach tournament: 3 Cricket or athletics
DT	Injection Moulding. Drawing techniques. Mood board.	Press Moulding. Materials. Making a charity item.	Reducing waste. Practical assessment.	Safe working conditions. Vacuum forming.	Final project.	Testing and evaluation.
Food	Bread Theory: Bread making techniques, types of flour and the use of raising agents. Practical: Bread and Focaccia.	Bread Theory: Practical: Pizza. Practical: Showstopper.	Theory: techniques in pastry making. Pastry Practical: Apple Samosas.	Pastry: Practical: Tomato and Cheese Tart. Theory: Introduction to eggs and egg functions.	Eggs: Practical: Victoria Sandwich/ Quiche.	Eggs: Practical: Food Science
Computer Science	Email scams and Protection.	Health and safety and copyright.	Binary.	Binary.	Enterprise project - involving developing and plan an enterprise.	Enterprise project - involving developing and plan an enterprise.