

Year 7

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
English	The Quest Range of myths and legends Coraline – Neil Gaiman	Roots of Drama Medieval drama including Oedipus and The Birds Free – David Grant	Language of Comedy Chaucer's general prologue Wee Free Men - Pratchett	Such stuff as dreams The Tempest Bridge to Teratbithia - Paters	Little Song Range of sonnets from creation to modern interpretations and song writing	Independent Project Students choose their own project
Assessment	Reading: Beowulf – GCSE Lang paper 1 Writing: Newspaper article – GCSE Lang paper 2 S&L: Greek drama	Reading: Free – GCSE Lit Paper 2 Writing: Review – GCSE Lang Paper 1 S&L: Pageant	Reading: Chaucer – GCSE Lit paper 2 Writing: Creative – GCSE Lang paper 1 S&L: Presentation	Reading: Scene analysis – GCSE Lit paper 1 Writing: Review – GCSE Lang paper 2 S&L: Performance	Reading: Comparison – GCSE Lit paper 2 Writing: Poetry S&L: Poetry	Reading: Free choice Writing: Free choice S&L: Free choice
History	History of Britain pre 1066 Stone age, Iron Age, Roman invasion, Vikings, Picts and Scots, Anglo Saxons	The Norman Conquest Edward the confessor, Harold Hardrada, William of Normandy and Harold Godwinson – the Battle of Hastings – Norman life	Church & Crown Castles, Thomas Becket, Crusades, Black Death, Magna Carta, Peasants Revolt	Life in the Middle Ages -Women Criminals - Empires of the Middle Ages -China in the Middle Ages War of the Roses	The Tudors Henry VII, Henry VIII, Edward VI, Mary I, Elizabeth I	The Stuarts James I, The Gunpowder Plot, Civil War: Charles I and the Road to War, Civil War: King or Parliament, Civil War: Battle of Naseby, Civil War: How do you punish a King?
Assessment	Iron Age man to Roman citizen autobiography	Battle of Hastings Newspaper assessment	Test on everything learned	Battle of Bosworth	Henry VIII and the church- Source exercise	End of year test
Geography	Settlement Urbanisation & Economic Activity	Map skills Latitude and Longitude Symbols World and local maps Mapping your own island	UK & Tourism: Cool Britannia Historical geography of UK Multicultural UK Tourism London Counties	Africa Africa- Scale and Diversity Dealing with common misconceptions The Sudan Ghana Africa- looking to the future	Rivers & Rocks How does the Water cycle work? What is a drainage basin? Rivers at work Waterfalls, Meanders and Oxbow Lakes What are the causes of flooding? Flooding in Bangladesh Flooding in the UK	Natural Hazards Earthquakes Volcanoes Tsunamis Case studies
Assessment	Letter to tribe leader – focus settlements	Map work test	Tourist information booklet of the Lakes	Test	Report on the flooding in Bangladesh	End of year test
Religious Education	Commitment Christianity and Baptism	Physical symbols of faith Sikhism and Christianity	Suffering Buddhist approach to life – the middle way	Origins of the Universe Creation stories – multiple religions	Chronicles of Narnia How Christianity is used in popular culture and its impact	Alternative religion
Assessment	Presentation	Newspaper article	Buddhism test	Pictorial representation of creation and how it is now Letter	Narnia test	End of year test
Spanish	Mi vida (My life) Introductions and greetings, Spanish pronunciation and alphabet personality traits siblings numbers, months, birthday and age pets	Mi tiempo libre (my free time) opinions hobbies weather sports Christmas in Spain	Mi insti (My school) subjects advanced opinions facilities in a school activities during break school system in Spain	Mi familia y mis amigos (my family and friends) family members physical descriptions (hair, eyes, height) where you live – different types of locations to live in Different types of homes (castle, house, flat, boat etc)	Mi ciudad (My city) adjectives to describe city/town/village telling the time activities to do in your city places in your city ordering food in a café what you are going to do at the weekend	Revision (Project) End of year tests on all topics Strategies for all four skills Look at exam language (instructions in TL) Go over revision strategies Try out some GCSE foundation questions Song competition

Assessment	writing listening translation into Spanish	speaking reading translation in English	writing and listening translation into Spanish grammar test	speaking reading translation in English	writing listening translation into Spanish	speaking and writing listening and reading translation into Spanish and English
Music	Word/Rhythm Learning rhythm notations, dynamic symbols and group performance skills.	African Drumming or Samba Learning about music from a different culture, instruments, stylistic features and composing music in that style.	Pitch Notation Learning to read notes on the Treble Clef Stave, performing Pavan on the pitched percussion instruments	Keyboard project Developing reading of treble clef notation and learning to play the keyboard.	Atmospheric Music Learning techniques for composing mood music, Haunted House composition, learning related music vocabulary	The Tempest/Roller Coaster composition Composing atmospheric music using Garage Band on the iMacs
Assessment	Performance of Underground Music	Composition and performance of African Drumming piece	Performance of Pavan reading from pitch notation.	Performance of 'Wake me up' on the keyboard and notation reading assessment.	Listening and written assessment of Musical terms	Final composition and listening assessment, to include notation test.
Maths	<ul style="list-style-type: none"> Consolidating number skills, Integers, powers and roots, Perimeter, area and volume 	<ul style="list-style-type: none"> Rounding and number skills Algebra Transformations 	<ul style="list-style-type: none"> Graphs Fractions decimals and percentages 	<ul style="list-style-type: none"> Probability Use of mathematical equipment Lines and angles 	<ul style="list-style-type: none"> Processing and representing data Bearings and scales Sequences 	<ul style="list-style-type: none"> Ratio and proportion Working with equations Nets and Isometric drawing
Assessment	Baseline assessments	Assessment on Integers and shape.	Assessment on Rounding and Algebra	Assessment on Graphs and FDP and Transformations	Assessment on Probability, Bearings and Lines and angles.	End of year assessment (incorporating all assessments)
Biology	Cells: Animal and plant cells; tissues; organs and organ systems. Working Scientifically: Microscopes. Maths: Handling data and Magnification calculation.	Human Biology: Skeleton; muscles, movement; blood and breathing mechanisms (inhalation exhalation). Working Scientifically: Fitness tests and dissection. Maths: Collecting and Analysing data.	Reproduction: Gametes, animal and plant organs; pregnancy and puberty. Working Scientifically: Labelling diagrams. Maths – Conversions.	Ecosystems: Variation, species, Hybrids; adaptation; inherited variation; environmental variations; seasonal changes; food webs and Interdependence. Working Scientifically – Data Analysis and graphs. Maths – Discontinuous and continuous data; graphing and statistics-handling data	Food and Nutrition: Food adverts; nutrients; balanced diet, microbes and pathogens. Working Scientifically: Food labelling and microscopes. Maths: Units and conversions	Working Scientifically Project. Students research an area of interest; plan an investigation and write up as a science paper/journal/magazine article. STEMM Biology Activities
Assessment	Extended writing: Model of a Cell. Working Scientifically: How to use a Microscope Quick Quiz: Start, middle and at the end of the unit. GCSE style questions end of unit test: Cells	Extended writing: How do drugs affect our body? Working Scientifically: Handling Data Quick Quiz: Start, middle and at the end of the unit. GCSE Paper 1 Test: Cells and Human Biology.	Extended writing : The journey to make a baby Working Scientifically: Labelling Diagrams. Quick Quiz: Start, middle and at the end of the unit. GCSE style questions end of unit test: Reproduction	Extended writing: Adaptation. Working Scientifically: Frequency & Scatter grams. Quick Quiz: Start, middle and at the end of the unit. GCSE Paper 1 Test: Reproduction and Ecosystems	Extended writing: The Healthy BBQ. Working Scientifically: Weighting and bias. Quick Quiz: Start, middle and at the end of the unit. GCSE style questions end of unit test: Food and Nutrition	Working Scientifically Presentation. End of Year 7 Biology Exam GCSE Paper 1
Physics	Force: Types of forces; balanced and unbalanced force; springs; Hooke's Law; friction and air pressure. Working Scientifically: Springs and force meters. Maths – SI Units; mass; accuracy in measuring and reading data	Space: Solar system; seasons; magnetic earth; gravity and the Universe Working Scientifically: phases of the moon; magnetic fields; field compasses and the ROKIT Investigation. Maths – Bar Charts; ratios and percentages.	Current & Electricity: Switches; current; series and parallel circuits; changing current and mains electricity. Working Scientifically – Circuits etc and plugs. Maths – Tables	Energy: Energy in Food; energy transfer and stores; other energy resources; fuels and renewable and non-renewable. Working Scientifically: Control variables Maths: Statistics comparisons; ratio; conversions; units and pie charts	Sound & Light: The camera; the eye; colour; making and detecting sounds. Working Scientifically: Modelling, Labelling diagrams and dissection, Maths – Units and conversions	Working Scientifically Project. Students research an area of interest; plan an investigation and write up as a science paper/journal/magazine article. STEMM Chemistry Activities

Computing	<p>Introduction and eSafety Develop student knowledge of School ICT and how to be safe when using online services in school and outside of school.</p>	<p>Programming using Lego Mindstorm Introduction to practical programming application of computational thinking skills.</p>	<p>Foundations of computing and Computer systems Data and data representation Hardware of a computer i.e. components that make up a computer Software and Applications used by a computer</p>	<p>Think like a Computer Scientist / Drawing and manipulating shapes This unit will allow students to learn about Algorithms / Create and debug simple programs that accomplish specific goals Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use two programming languages</p>	<p>Programming a calculator Design, write and debug programs Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Programming a quiz Design, write and debug programs Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>
Assessment	Extended piece of writing Online Computing baseline test	Project task + Paper based test	Paper based test	Paper based test/ Programming challenge + Test		Programming challenge + Test

Year 8

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English	<p>Beyond the Bible This unit looks at the influence of religion on literature, specifically Renaissance and beyond. Texts will include extracts from Marlowe's Faustus and Milton's Paradise Lost. Modern Text: Skellig by David Almond</p>	<p>Malignant Magic With a focus on Macbeth, this unit looks at the treatment of women in literature with a specific emphasis on witchcraft. Modern Text: A Hatful of Sky by Terry Pratchett</p>	<p>Creating Dissidence Literature is a tool of rebellion and with this unit we will look at rebellious writers and their texts, including those by Blake, Austen and Harper Lee Modern text: The Lies We Tell Ourselves by Robin Talley</p>	<p>The Light Fantastic Fantasy is at the heart of literature, whether it's a chance to critique this world through a mythical one or simply put our imaginations onto paper. In this unit we look a range of writers from C S Lewis to Rossetti to Tolkien. Modern text: Miss Peregrine's Home for Peculiar Children</p>	<p>Dangerous Darkness The fear of the unknown, the mysterious outsider, all aspects of the Gothic that resonate in popular culture. From the Brontes to Shelley to Wells the Gothic tradition will be explored. Modern Text: A Monster Calls by Patrick Ness</p>	<p>Independent Project Students are given a range of topic choices linked to the modules covered and they explore an aspect that appeals to them.</p>
Assessment	<p>Reading: Skellig – GCSE Lang paper 1 Writing: Nonliterary – GCSE Lang paper 2 S&L: Presentation</p>	<p>Reading: Macbeth – GCSE Lit Paper 2 Writing: Review – GCSE Lang Paper 1 S&L: Macbeth</p>	<p>Reading: TBC – GCSE Lit paper 2 Writing: Creative – GCSE Lang paper 1 S&L: Speech</p>	<p>Reading: Poetry – GCSE Lit paper 1 Writing: Nonliterary – GCSE Lang paper 2 S&L: Performance</p>	<p>Reading: GCSE Lit paper 2 Writing: Recreative – lang paper 1 S&L: Drama</p>	<p>Reading: Free choice Writing: Free choice S&L: Free choice</p>
History	<p>The British Empire and the Slave Trade What was the British Empire? Rise and fall of the British Empire Rise and fall of the slave trade</p>	<p>The Industrial Revolution How it started Impact on towns Child workers</p>	<p>World War One How it started Alliances Trench life Conscientious objectors Propaganda Women and war The end of the war</p>		<p>World War Two How it started Evacuees Blitz Rationing Battle of Britain</p>	
Assessment	Newspaper article on the Empire	Essay on industrialisation	TBC		TBC	

Geography	Development Fair Trade & Globalisation Poverty	Coasts and Glaciation Coastal erosion Caves, arches and stumps Collapsing cliffs Glacial landforms Global snowball	Asia India Topography Climate Globalisation	Resources and the Environment Global environment Climate Change	Europe, migration & Population China- one child policy	Ecosystems Coral reefs Deserts Rainforests
Assessment	Test	Holbeck hall newspaper report	Test	Plan for waste disposal	Why do people migrate?	End of year test
Religious Education	God's Existence Why do people believe? Thomas Aquinas Proof of God What is atheism?	Hinduism Belief system Festivals Ghandi Ramayana Yoga	Is death the end? Does it matter? The purpose of life How religion helps people to be happy	Religion and the Arts Music Colour Art Drama	Islam Belief system Festivals Key figures Impact	Muslim/Hindu/Sikh Teenagers in Britain Diversity of beliefs in modern Britain
Assessment	Written assessment	Hinduism test	Written assessment	Test	Test	End of year test
Spanish	Mis vacaciones (My holidays) countries transport activities opinion phrases (European Day of Languages celebrations)	Todo sobre mi vida (about me/forms of media and communication) different forms of technology different uses of mobile phones – features of mobile phones types of music – how people listen to music Different TV shows and films– TV guides (times) and descriptions of shows describe your day yesterday with technology and media. different forms of writing	A comer (Let's eat!) food vocabulary, Spanish food advanced opinions mealtimes compare with Spain In a restaurant Recipes what you will buy for a party	(Arranging nights out/days out) invitations (cinema, concert, park, match, party, festivals like 'las fallas') making excuses getting ready – daily routine clothes – what to wear for a fancy dress party sporting event (El clásico)	(Preparing for summer tourism) Hotel accommodation different facilities in a hotel/features of a room holiday activities directions summer camps typical holiday problems	Revision End of year tests – revision of all topics covered this year
Assessment	preterite past tense (new) recap present tense and future tense	Possible introduce imperfect tense as challenge for more able to compare technology in the past.	Proper future imperative usted/ustedes	conditional tense reflexive verbs future tenses (both)	All tenses	Everything covered in the year
Music	Dorian Music Dorian mode, Improvisation skills, understanding chords, how to compose a melody to fit with a chord sequence, what are the characteristics of an effective melody? Reading Treble clef and rhythm notation. How to structure a piece of music	Blues History of the Blues/Slave trade (history), learning about accidentals, Blues scale, Chords (I,IV and V), 12 Bar Blues chord sequence, listening to Blues Music, Blues improvisation, performing and composing Blues Music on the keyboard with two hands.	World Music Listening to Indian music, the instruments, the structure, related terms (link to geography) Steel pans and Caribbean music TBC	Film Music (linking to English topic on fantasy) Listening, history, film music composing techniques, related musical vocabulary, composing music to fit with fantasy film scene, or theme tune – using ICT (Garage band)	Musical textures Introducing musical textures, homophonic, polyphonic, monophonic heterophonic, unison, solo, call and response – listening tasks, initial group composition tasks on the pitched percussion, link to listening tasks.	Musical structures Listening tasks – Looking at Rondo form and Ternary form; Creating a piece in Rondo or Ternary form, focusing on how we create memorable musical ideas and how we create contrast and variety in music – bring together all concepts learnt across the year – Key, Chords, composing melodies to fit with chords, notation

Assessment	Individual improvisation and melody composition. Group performance of final Dorian piece Notation test	Assessment of Blues History and Theory, Listening assessment and performance of Blues piece (individual)	Performance and Indian music listening task and written test.	Listening and composition task	Group composition	Paired or individual composition
Maths	<ul style="list-style-type: none"> Integers, powers and roots, Perimeter, area and volume Rounding and number skills 	<ul style="list-style-type: none"> Working with expressions. Fractions decimals and percentages Transformations 	<ul style="list-style-type: none"> Graphs Probability Use of mathematical equipment 	<ul style="list-style-type: none"> Bearings and scales Calculations and checking Constructions 	<ul style="list-style-type: none"> Processing and representing data Lines and angles Sequences 	<ul style="list-style-type: none"> Ratio and proportion Working with equations Nets and Isometric drawing
Assessment	Assessment on the first two units.	Assessment on rounding and expressions	Assessment on FDP and Transformations, graphs	Assessment on Probability and Bearings	Assessment on Calculations and constructions	End of year assessment (incorporating all assessments)
Biology	<p>Food and nutrition: Recall food groups; food labelling; nutrient deficiencies; the digestive system; absorption and enzymes.</p> <p>Working Scientifically: GCSE core practical 1- Food testing.</p> <p>Maths: Data handling, units and conversion.</p>	<p>Respiration: Aerobic & anaerobic respiration; combustion; gaseous exchange; exercise and breathing; pulse rate; capillaries; circulation; CPR; inhaled and exhaled air and respiration in plants and animals.</p> <p>Working Scientifically: Peak flow data and modelling for ventilation,</p> <p>Maths: Handling data</p>	<p>Unicellular vs Multicellular Organisms: diffusion; kingdoms; bacteria populations; protocists and carbon cycle;</p> <p>Working Scientifically: Diffusion in potatoes; respiration in yeast; making yoghurt; Algal photosynthesis</p> <p>Maths: Surface area and ratio; pie charts,</p>	<p>Plants: Pollination; fertilisation and seed dispersal; classification & biodiversity; tack populations; quadrates; plant populations and Life cycles.</p> <p>Working Scientifically: Field study; flower dissection; seed dispersal.</p> <p>Maths:</p>	<p>Genetics & evolution: environmental and inherited variation, DNA; genes and extinction and natural selection – Charles Darwin.</p> <p>Working Scientifically: Probability</p>	<p>Transition Unit: Reflection upon End of KS 3 exam. Enhancement work booklet.</p> <p>Working Scientifically: Students choose from the following projects:</p> <p>Project 1: Animal smuggling; Project 2: Enzyme investigation Project 3: Teeth</p> <p>Or any other areas that the students wish to explore.</p>
Assessment	<p>Extended writing: The journey of a cheese sandwich.</p> <p>Working Scientifically: Food testing and amylase.</p> <p>Quick Quiz: Start, middle and at the end of the unit.</p> <p>GCSE style questions end of Unit test: Food and nutrition</p>	<p>Extended writing: Coronary heart disease</p> <p>Working Scientifically: Exercise and heart hart</p> <p>Quick Quiz: Start, middle and at the end of the unit.</p> <p>GCSE Paper 1: Food and nutrition and respiration.</p>	<p>Extended writing: Toxins and eutrophication/carbon cycle</p> <p>Working Scientifically: Algal photosynthesis</p> <p>Quick Quiz: Start, middle and at the end of the unit.</p> <p>GCSE style questions end of Unit test: Unicellular Vs Multicellular</p>	<p>Extended writing: Photosynthesis</p> <p>Working Scientifically: Quadrates and spinners.</p> <p>Quick Quiz: Start, middle and at the end of the unit.</p> <p>GCSE Paper 2: Unicellular vs multicellular & Plants</p>	<p>Extended writing: The theory of Charles Darwin</p> <p>Quick Quiz: Start, middle and at the end of the unit.</p> <p>Working Scientifically: Probability</p> <p>Revising KS Biology: Cells, systems and movement; other organ systems; reproduction and health; energy in ecosystems; genetics and evolution</p> <p>End of KS3 Biology Exam GCSE Paper 1 & 2</p>	<p>GCSE transition work booklet</p> <p>Working Scientifically Project</p>
Physics	<p>Sound: Recall making sounds and pitch; speed of sound; moving sounds; the ear and detecting sounds; decibel scale; echos, uses of sound; comparing sounds and light waves; earthquakes and tsunamis.</p> <p>Working Scientifically: Making sounds; pitch; Labelling diagrams;</p> <p>Maths: Reading line graphs;</p>	<p>Sound & light: Recall the structure of a light waves; shadows; periscope; reflection; mirrors; refraction; total internal reflection; Fresnel lenses; the eye; long and short sighted; colour, white light; rainbows and comparing sounds and light waves.</p> <p>Working Scientifically: Reflection; refraction; pin hole cameras; mirrors; periscopes;</p> <p>Maths: Measuring angles;</p>	<p>Fluids: The particle model; changing state and sublimation; pressure in fluids; weather rocks; floating and sinking; archimededs and drag.</p> <p>Working Scientifically: Making a thermometer; calculating density; cooling wax; manometers; barometers and altimeters; upthrust and streamlined shapes.</p> <p>Maths: Handling data; mass=density x volume; density = mass/volume;</p>	<p>Energy transfer: Internal energy and temperature; cooling by evaporation; relative humidity; radiation; conduction; convection; thermal imaging; energy transfer; power and efficiency; Sankey diagrams; insulation; carbon capture and paying for electricity.</p> <p>Working Scientifically: Modelling cooling; conductivity; radiation and colours; insulation;</p> <p>Maths: Statistics- survey; Handling data; SI units;</p>	<p>Forces: motion, fields and electromagnets; speed; force and movement; force fields; static electricity; current electricity; and resistance.</p> <p>Working Scientifically: Equations and graphing</p> <p>Maths: Speed = distance/time; force</p>	<p>Transition Unit: Reflection upon End of KS 3 exam. Enhancement work booklet.</p> <p>Working Scientifically: Students choose from the following projects:</p> <p>Project 1 Ears and Eyes Project 2: Going faster Project 3: Speed limits</p> <p>Or any other areas that the students wish to explore.</p>

			volume = mass/density; graphing cooling curves;	drawing and calculating Sankey diagrams and conversions		
Assessment	Extended writing: The difference between sound and light waves Working Scientifically: Sound proofing Quick Quiz Start: Start, middle and at the end of the unit. GCSE style questions end of Unit test: Sound	Extended writing: The difference between sound and light waves Working Scientifically: Reflection Quick Quiz Start: Start, middle and at the end of the unit. GCSE Paper 1: Sound & Light	Extended writing: Weathering rocks Working Scientifically: cooling wax Quick Quiz Start: Start, middle and at the end of the unit. GCSE style questions end of Unit test: Fluids	Extended writing: Conduction, convection and radiation. Working Scientifically: Sankey diagrams Quick Quiz Start: Start, middle and at the end of the unit. GCSE Paper 1: Fluids and Energy Transfer.	Extended writing: Electromagnets Quick Quiz: Start, middle and at the end of the unit. Working Scientifically: Graphing Revising KS3 Physics: Models in Science; energy; forces; waves and fields and machines. End of KS3 Physics Exam GCSE Paper 1 & 2	GCSE transition work booklet Working Scientifically Project
Chemistry	The Periodic table: Dalton's model; atoms, symbols and equations, iron and sulphur properties; modelling matter; chemical change; relative atomic mass; physical and chemical change; chemical formulae; Mendeleev's table; group 1,7 and 0 – trends and physical properties; metals and non-metals and lattice structures. Working Scientifically: physical and chemical change; Magnesium oxide; alkali metals; noble gasses; metals and non-metals; properties of oxides. Maths: Bar charts, calculating relative atomic mass; anomalous results.	Metals and their uses: Metals; catalysts; word equations; properties; formulae; corrosion; rusting; balancing equations; oxidation; metals and water; hydrogen pop test; metals and acids; the reactivity series; alloys; Working Scientifically: Catalysts; rusting; investigating metals and water; metals and acids. Maths: Timing; line graphs; data analyses.	Rocks: Permeable rocks; rock texture; sedimentary, igneous and metamorphic rocks; minerals and formulae's; sills, dykes and plutons; weathering and erosion; the rock cycle; limestone; materials from the Earth and extracting metals. Working Scientifically: modelling cooling magma and investigating carbonate. Maths: Statistics- Handling and analysing data	Combustion: Burning fuels; oxidation; phlogiston; metals reactions; formula equations; the fire triangle; fire extinguishers; energy in fuels; air pollution; acid rain; global warming; climate change and carbon dioxide emissions. Working Scientifically: Candle heights; comparing fuels; Maths: Statistics- Handling data, analysing data and graphing.	Reactivity: Demolition, types of explosions, reactivity series, exothermic and endothermic reactions; Placement; extracting metals; Alfred Nobel. Working Scientifically: Percentage lose and gain Maths:	Transition Unit: Reflection upon End of KS 3 exam. Enhancement work booklet. Working Scientifically: Students choose from the following projects: Project 1: Carbon capture Project 2: Electrolysis Investigation Project 3: Nanoparticles Or any other areas that the students wish to explore.
Assessment	Extended writing: The history of the periodic table. Working Scientifically Group 1, 7 and 0 observations. Quick Quiz Start, middle and at the end of the unit. GCSE style questions end of Unit test- The Periodic Table	Extended writing: Rusting Working Scientifically: Quick Quiz Start, middle and at the end of the unit. GCSE Paper 1- The Periodic table and metals and their uses	Extended writing: Layers of sediment. Working Scientifically: The rock cycle. Quick Quiz: Start, middle and at the end of the unit. GCSE style questions end of Unit test- Rocks	Extended writing: Who's responsible for global warming? Working Scientifically: Comparing fuels Quick Quiz: Start, middle and at the end of the unit. GCSE Paper 1- Rocks and combustion.	Extended writing: Reactivity Series and Alfred Nobel. Quick Quiz: Start, middle and end of unit Revising KS3 Chemistry: Separating substances; chemical reactions; physical and chemical reactions; the periodic table; earth and the atmosphere. End of KS3 Physics Exam GCSE Paper 1 & 2	GCSE transition work booklet Working Scientifically Project
PE	Rugby Students to learn the basic concepts of passing and creating space.	Handball Students will develop the skills required for passing, shooting and dribbling.	Badminton Students will develop knowledge of the rules and tactics. The will cover a range of techniques including net skills.	Fitness and healthy lifestyles To help develop student understanding of how the	Athletics Students to begin to explore track and field sports along with the	Rounders/Cricket Students will learn the concepts of throwing and catching along with different batting strokes building on skills learnt in ear 7.

		Students will cover basic tactics.		body works and responds to exercise.	techniques required for shot put, discus, and javelin.	
Assessment	Pupils skills to be assessed in isolation. Their tactical knowledge will be assessed small sided games.	Pupils skills to be assessed in isolation. Their tactical knowledge will be assessed small sided games.	Pupils skills to be assessed in isolation. Their tactical knowledge will be assessed small sided games.	Students to produce a small project on what they have learnt.	Pupils to be assessed completing a range of events.	Pupils skills to be assessed in isolation. Their tactical knowledge will be assessed small sided games.
Art/DT	<p>Art: Introduction to drawing Experimental and traditional drawing skills and techniques.</p> <p>DT: Rube Goldberg Machines.</p>	<p>Art: Experimental and traditional painting Colour theory, printmaking and pattern design.</p> <p>DT: STEMM mini projects and UPCYCLING.</p>	<p>Art: Experimenting with different materials Chalk and oil pastels, watercolours etc. Individual and group photo montage/collage project.</p> <p>DT: Fashion and Textiles – T-shirt design including basic pattern cutting and printmaking</p>	<p>Art: Series of different Sculpture projects using a variety of different materials.</p> <p>DT: Food Tech 'The Apprentice' style.</p>	<p>Art: Frida Kahlo and Surrealist Semiotics project Using all skills learnt this year, including introduction to performance art/video etc.</p> <p>DT: Pinhole Cameras/Photography and Architecture</p>	<p>Art: Conceptual and Contemporary Art, including: Sound/Performance/Video/Photography/Social Experiments/Participatory - Cross curricular.</p> <p>DT: Architecture project continued including digital design and cardboard/found materials build</p>
Assessment	Sketchbooks and classwork assessment	Sketchbooks and classwork assessment	Sketchbooks and classwork assessment	Sketchbooks and classwork assessment	Sketchbooks and classwork assessment	Sketchbooks and classwork assessment
Computing	<p>Introduction and eSafety How to use technology responsibly; How has development of technology impacted on society; How ICT has changed communication and collaboration; Online Dangers (Trolling, Cyber Bullying, Malware, Phishing); The law and ethics (Computer Misuse, Copyright, Data Protection)</p>	<p>Logic and Binary/ Instruction Set Design use binary digits be able to convert between binary and decimal perform simple binary addition develop logical thinking skills, Develop further understanding of binary representation of data Develop understanding logic circuits Build awareness Boolean logic for programming</p>	<p>Programming using selection and Boolean Program a robot to make decisions Learn How to use Boolean logic to make decisions (OR, NOT, AND) Use If statements and Boolean operators in programs Program using loops and nesting</p>	<p>Python Programming Further development of programming concepts using a text based programming language. Students will apply all the basic programming concepts that they have learnt so far, using Python to develop solutions for</p>	<p>Sorting Algorithms Bubble sort and Selection sort algorithms work. The They will consider when computers are used for sorting and... Students will experiment with running a sorting algorithm on different sets of data, and evaluate the effectiveness of the algorithms depending of type of data, length of data and order of the unsorted data</p>	<p>App Development Know what an app is and how they are developed Understand how smartphones have impacted ICT Understand what hardware is included inside a smartphone. Learn how to use App Inventor to develop basic apps applying programming skills such as selection, variables, loops, Boolean, inputs and outputs</p>
Assessment	Extended piece of writing + Online Computing Baseline test	Paper based Test	Programming Challenge + Test	Programming Challenge + Test	Programming Challenge + Test	Programming Challenge + Test