

SUBJECT	TOPICS
Art	Anatomy and Decay projects
Biology	Mitosis and the cell cycle, Human digestive system, The heart and blood vessels, Lungs, Health issues and cancer, Discovery of drugs and monoclonal antibodies, Photosynthesis, Respiration, Human nervous system, Human endocrine system, Inheritance
Chemistry	Chapter 1 – Atomic Structure, Chapter 2 – The Periodic Table, Chapter 3 – Structure and Bonding, Chapter 4 – Chemical Calculations, Chapter 5 – Chemical Changes, Chapter 6 – Electrolysis, Chapter 7 – Energy Changes, Chapter 8 – Rates and Equilibria
Computing	2.2 - Programming fundamentals, 2.1 - Linear Search, 2.1 - Binary Search, 2.1 - Bubble Sort, 2.1 - Insert Sort, 2.1 - Merge Sort, 1.2 – Units and Storage, 1.2 – Binary and Hex Conversion, 1.1 – Fetch Execute Cycle, 1.1 – Embedded Systems, 2.2 – Data types, 2.2 – Algorithm Design, 2.3 – Testing, 2.5 – Programming Languages, 2.5 - IDEs
Design Technology: Product Design	Unit 1: New and emerging technologies, Unit 2: Energy, materials, systems and devices, Unit 3: Materials and their working properties, Unit 4: Common specialist technical principles, Unit 6: Designing principles Designing and making projects: Term 1: Angle-poise lamp, Term 2: Skills Box, Term 3: NEA
Economics	1.1 Main economic groups and factors of production, 1.2 The basic economic problem, 2.1 The role of markets, 2.2 Demand, 2.3 Supply, 2.4 Price, 2.5 Competition, 2.6 Production, 2.7 The labour market, 2.8 The role of money and financial markets
English Language	Paper 1 Section A&B, Paper 2 Section A&B
English Literature	Romeo and Juliet, Jekyll and Hyde, 5-7 Power and Conflict Poems
French	Identity and Culture, Free time and Interests, Traditions and Festivals, Cities and regions and Holidays. Pupils should be familiar with the following tenses; Present, Imperfect, Perfect, Near Future, Conditional and Future Simple.
Further Mathematics	From Main GCSE Pink Text Book; Ch 20 – Probability, Ch 16 – Handling Data 2, Ch 4 – Handling Data 1, Ch 9 – Measures and Accuracy, Ch 7 – Working in 2d, Ch 15 – Working in 3d, Ch 22 – Units and Proportionality, Ch 11 – Circles and Constructions – Circle theorems only, Ch 3 – Angle and Polygons, Ch 21 – Sequences, Ch 19 – Pythagoras and Trigonometry – Vectors only From Further Maths Text Book; Ch 1 – Number and Algebra 1, Ch 2 – Algebra 2, Ch 3 – Algebra 3, Ch 4 – Algebra 4
Geography	Living with the physical environment; The living world, Physical landscapes in the UK: (a) Coasts and (b) Rivers Challenges in the human environment; Urban issues and challenges, The challenge of resource management Geographical Applications; Human geography fieldwork: housing inequalities in Westcliff; coastal management at Walton.

Geology	Minerals, Sedimentary rocks and the rock cycle, Structural geology, Igneous geology, Metamorphic rocks
German	School Life, Free time, Relationships and Family, Home, Food and technology and Travel, Accommodation and Illness. Pupils should be familiar with the following tenses; Present, Imperfect, Perfect, Conditional, and possibly Pluperfect/Passive/Past Conditional.
History	The Normans 1066-1100; Conquest and Control, Life under the Normans, Religion, Historic Environment Norman Wales Migration 790-present day; 790-1453, 1500-1800 ,1800-1900 1900-present day. Germany 1890-1945 Democracy and Dictatorship, Part One: The Kaise Reich
Mathematics	From Main GCSE Pink Text Book, Ch 2 – Expressions, Ch 3 – Angle and Polygons, Ch 4 – Handling Data 1, Ch 6 -Formulae and Functions, Ch 9 – Measures and Accuracy, Ch 10 – Equations and Inequalities, Ch 11 – Circles and Constructions – Circle theorems only, Ch 14 – Graphs 1, Ch 16 – Handling Data 2, Ch 18 – Graphs 2, Ch 19 – Pythagoras and Trigonometry, Ch 20 – Probability, Ch 22 – Units and Proportionality – Converting between Units and Compound Units Only
Music	Killer Queen, Beethoven, Star Wars, Purcell, Wicked, Spalding, Vocabulary associated with each musical element.
Physical Education	Health, training and exercise, Exercise physiology, Movement analysis, Performance analysis and coursework introduction.
Physics	Energy transfers, Conservation of energy, Energy resources, Electricity, Nuclear physics, Thermal physics, Gas laws and matter, Motion, Forces and motion
Religious Studies	Buddhism, Beliefs Teachings and Practices, Christianity, Beliefs Teachings and Practices, Two thirds of the way through Relationships and Family.
Spanish	Holidays, School Life, Identity and Culture, Interests and Influences, Cities and regions. Pupils should be familiar with the following tenses; Present, Preterite, Imperfect, Present Continuous, Perfect, Near Future and Future Simple.