

Key Stage 3 Exam Topics 2023

Year 7	Year 8	Year 9
<p>Maths 70 Minutes Written calculations, laws of maths, Factors and multiples, order of operation, negative numbers, using algebra, angles and symmetry, 2D shapes and construction, coordinates, area and perimeter, transformations, prime factors.</p>	<p>Maths 70 Minutes Sequences, linear graphs, ratio, forming and solving linear equations and inequalities, real life graphs. Accuracy and estimations, direct and inverse proportion, univariate data.</p>	<p>Maths 2 Papers - 60 Minutes Each Calculations and properties of number, algebraic manipulation, fractions, polygon and angle rules, ratio and proportion. Area, circumference and circles/sections. Surds, Pythagoras. Averages and range. Representing data, trigonometry bearings.</p>
<p>Science 70 Minutes Movement, elements, Periodic Table, metals & non-metals, particle model, photosynthesis, respiration, separating mixtures, energy transfer, energy costs, contact forces, human and plant reproduction.</p>	<p>Science 70 Minutes Digestion, heating and cooling, types of reaction, breathing, space, acids and alkaline, light, inheritance, variation, sound.</p>	<p>Physics 60 Minutes Pressure, moments, speed-time graphs, density, acceleration, Newton's Laws of motion. Weight, mass & 'g'.</p> <p>Chemistry 60 Minutes <u>All Year 9 Content</u> Separating mixtures, atoms, elements and compounds. History of the atom, making ions, ionic bonding, ionic formula, covalent bonding, simple and giant covalent. All types of carbon, structures.</p> <p>Biology 60 Minutes Cells & Microscopy Diffusion, Osmosis, Active Transport, Chromosomes, Mitosis, Stem Cells</p>
<p>English Romanticism 1 Hour total 45 minutes – A series of comprehension questions on an unseen Romantic poem. Students will be asked to select and retrieve information from the poem, interpret and analyse, write an extended PEA paragraph and know the features of Romantic poetry. 15 minutes – multiple choice test on poetic terminology and key vocabulary from the Romanticism unit of work (see Year 7 poetic terminology handout).</p>	<p>English The Gothic 1 Hour total 45 minutes – A series of comprehension questions on an unseen extract in the Gothic style. Students will be required to select and retrieve, infer and interpret, analyse language and structure, evaluate and know the features of the gothic genre. 15 minutes – multiple choice test on Gothic narrative vocabulary (see Tier 3 vocab on handout).</p>	<p>English Shakespeare 1 Hour total 45 minutes – Students will be asked to analyse a 40-line extract from the play they have studied (either Richard III or Henry V). The focus of the question is on how Shakespeare uses language and structure to present a character or idea. Students will be expected to write an extended and structured response to the question, choosing quotations to support their ideas and using appropriate subject terminology.</p>

		15 minutes – multiple choice test on key vocabulary required for the successful study of Shakespeare.
History 60 Minutes Battle of Hastings, Bayeux Tapestry, Norman Conquest	History 60 Minutes Origins of civil war, witchcraft, trial of Charles I or rule of Oliver Cromwell.	History 60 Minutes Origins of World War I Trench conditions Hitler's rise to power or Causes of World War II
RE 45 Minutes Christianity & Belief	RE 45 Minutes Islam Judaism	RE 50 Minutes Buddhist Beliefs Christian Beliefs.
French 45 Minutes Reading & Writing Paper Hobbies, my town and local area	French 45 Minutes Reading & Writing Paper All about me, local area	French 50 Minutes Total Reading 20 Minutes Writing 30 Minutes Family, technology, social media
German 45 Minutes Reading & Writing Paper Me, family and pets, hobbies, school.	German 45 Minutes Reading & Writing Paper Holidays, media, health/food, a class trip.	German 50 Minutes Total Reading 20 Minutes Writing 30 Minutes Free time, family.
Geography 70 Minutes Atlas and map skills Settlement Tourism	Geography 40 Minutes PC Based 20 Minutes Written Weather and climate Rainforests Coasts	Geography 60 Minutes Populations Development
Art Art will be assessed in lessons leading up to the main school exams.		