

English Language	AQA Paper 1: Reading a single fiction text Analysing language use Analysing structure Evaluating a text Writing a description or narrative
English Literature	An Inspector Calls: Characters Themes Writer's message Key quotations Unseen poetry: How do you approach the unseen poem? (<i>Structure, Message, Imagery, Language, Emotions</i>)
Maths (Higher)	Decimal calculations Rules of indices inc. fractional and negative Product of prime numbers, HCF and LCM Simplify surds inc. rationalise the denominator Rounding and error intervals Covert recurring decimals to fractions Form and solve equations (variables on one side and both) Equation of a straight line and parallel lines Expand single, double and triple brackets Factorise into single brackets and quadratics (e.g. $2x^2 - 5x - 3$) Rearrange formulae (inc. where the variable appears more than once) Geometric and quadratic sequences – nth terms Equations of circles Solve non-linear simultaneous equations graphically Solve linear simultaneous equations algebraically Complete the square and find the turning point of a quadratic Solve quadratics algebraically (factorise, formula, complete the square) Simplify and solve equations involving algebraic fractions Ratio problems (inc. with algebra) Percentage problems – profit, reverse, compound interest Proportion graphs Gradients of tangents (distance time graphs) Direct and inverse proportion and variation Calculate averages from a list Construct a perpendicular from a point on a line Basic angle rules problems Circumference and area of a circle Angles in polygons Similarity inc. scale factors for area and volume Area of sectors Volume of prisms, cones, spheres Midpoints and distances between coordinates Right angled trigonometry Vector proof Circle theorems

Maths (Foundation)	<p>+ , - , × , ÷ whole numbers</p> <p>Multistep word problems including money and profit</p> <p>Decimal calculations</p> <p>Indices rules</p> <p>Product of prime factors, HCF and LCM</p> <p>Estimation</p> <p>Understand factors, multiples, squares and primes</p> <p>Complex calculations on a calculator</p> <p>Rounding to decimal places and significant figures</p> <p>Calculate with fractions and mixed numbers</p> <p>Calculate lengths on scale drawings</p> <p>Direct proportion – recipes and unitary method</p> <p>Percentages – of amounts, compound interest</p> <p>Use ratios to solve problems</p> <p>Solve problems involving density, speed or force</p> <p>Calculate mean, mode, median and range from list of numbers</p> <p>Tally and frequency tables</p> <p>Bar charts</p> <p>Simplifying</p> <p>Substitution</p> <p>Draw straight line graphs and quadratic graphs</p> <p>Form and solve equations (variables on one side and both sides)</p> <p>Expand single and double brackets</p> <p>Factorise into single and double brackets</p> <p>Rearrange formulae</p> <p>Simultaneous equations</p> <p>Measure angles with protractor</p> <p>Convert between measures e.g. ml/l, cm/m/km, g/kg</p> <p>Use basic rules of angles</p> <p>Angles in triangles, quadrilaterals and polygons</p> <p>Draw and describe transformations</p> <p>Construct a perpendicular from a point on a line</p> <p>Names of 2D and 3D shapes</p> <p>Area of 2D shapes</p>
Biology (Separate)	<p>Cells</p> <p>Organisation</p> <p>Infection and response</p> <p>Bioenergetics</p>
Chemistry (Separate)	<p>Atomic structure and the periodic table</p> <p>Structure and bonding</p> <p>Chemical changes</p> <p>Chemical analysis</p> <p>Energy changes</p>
Physics (Separate)	<p>Energy</p> <p>Electricity</p> <p>Particle model of matter</p> <p>Atomic structure</p>
Combined Science	<p>Biology: Cell biology, infection and response, bioenergetics</p> <p>Chemistry: Atomic structure and the periodic table, structure and bonding, chemical changes</p> <p>Physics: Energy, electricity (not 'in the home')</p>

History	Crime and punishment Medieval (1250-1500) Early Modern (1500-1750) Industrial (1750-1900) Modern (1900-present)
Geography	Topic A – The Challenge of Natural Hazards What is the concept of natural hazards? Tectonic Hazards - Plate theory and AC/LIDC Earthquakes Climatic Hazards - Global Atmospheric Circulation and Tropical Storms Weather hazards in the UK Global Climate Change Topic B – Urban Issues and Challenges Population Growth and Megacities Factors affecting Urbanisation (Natural increase v's Migration) The importance and growth of an EDC (Rio de Janeiro) The Opportunities and Challenges in an EDC (Rio de Janeiro) The importance and growth of an AC (Bristol) The Opportunities and Challenges in an AC (Bristol) Sustainable Urban Change
Psychology	Memory Perception Development Research methods
Sociology	Cultural transmission Families Education
PRE	Christianity beliefs Christianity practices Islam beliefs
German, Spanish and French	Reading and Listening exams to be completed in the hall: revise topic vocabulary covered in lessons so far this year Written exam completed in class with guided revision from class teacher
PE	Applied anatomy and physiology: Functions of the skeleton Location of major bones Types of synovial joints Components of synovial joints Location of major muscle groups The roles of muscles in movement Lever systems Planes of movement and axes of rotation Structure of the heart Pathway of blood through the heart The double circulatory system The blood vessels Cardiac values The pathway of air through the respiratory system The role of the respiratory muscles in breathing Respiratory values Alveoli: the site of gas exchange Aerobic and anaerobic exercise

	<p>The short term effects of exercise The long term training effects of exercise Physical training: The components of fitness Fitness testing and data collection The principles of training Warming up and cooling down</p>
Music	<p>Listening paper: revise the Set Works studied this year Solo and Ensemble performances to be completed early June</p>
Drama	<p>Blood Brothers: Section B (4 questions) You will need to identify how you will play a character and deliver a duologue and interact with others, with a focus on physical and vocal skills. You will respond to an extract of the play.</p>
Computer Science	<p>Component 2: Computational thinking, algorithms and programming 2.1 Algorithms 2.2 Programming fundamentals 2.3 Producing robust programs 2.4 Boolean logic 2.5 Programming languages and Integrated Development Environments</p>
Child Development	<p>Content area 2: Factors that influence a child's development Content area 3: Care routines, play and activities to support the child</p>
Business Studies	<p>Ownership types Revenues, costs, profit, averages, percentage change, cashflow Sources of finance E-commerce and digital payments Added value Marketing mix Location Market research Competition Risk of entrepreneurs Employment law Market share Market mapping Economic climate, inflation and taxation</p>
Technology	<p>Exam content will be communicated with students in lesson time by their class teacher</p>