

**GCSE Exams pre-exam information**

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| **Qualification** | **Specification** | **Advance information given by exam board** | | | **Additional resources** |
| **English Language**  **AQA GCSE English Language (8700)** | **AQA GCSE English Language (8700)**  [**AQA | English | GCSE | English Language**](https://www.aqa.org.uk/subjects/english/gcse/english-language-8700) | **Paper 1 : 18th May 2022**  No advance information for this paper | **Paper 2 : 10th June 2022**  *Section A : Reading*  Source A - 21st Century Autobiographical writing  Source B - 19th Century Essay  *Section B : Writing*  Question 5 - Article |  | **Past exam papers**  [**AQA | GCSE | English Language | Assessment resources**](https://www.aqa.org.uk/subjects/english/gcse/english-language-8700/assessment-resources)  [Seneca Learning](https://senecalearning.com/en-GB/)  [Mr Bruff - YouTube](https://www.youtube.com/channel/UCM2vdqz-7e4HAuzhpFuRY8w)  [SparkNotes](https://www.sparknotes.com/)  [Shmoop](https://www.shmoop.com/) |
| **English Literature** | **AQA GCSE English Literature (8702)**  [**https://www.aqa.org.uk/subjects/english/gcse/english-literature-8702**](https://www.aqa.org.uk/subjects/english/gcse/english-literature-8702) | **Paper 1 : 25th May 2022**  19th Century Novel : A Christmas Carol  Modern Prose : An Inspector Calls | **Paper 2 : 8th June 2022**  Shakespeare : Macbeth  Unseen Poetry essay and comparison |  | **Past exam papers**  [**Assessment resources - English Literature**](https://www.aqa.org.uk/subjects/english/gcse/english-literature-8702/assessment-resources)  [Seneca Learning](https://senecalearning.com/en-GB/)  [Mr Bruff - YouTube](https://www.youtube.com/channel/UCM2vdqz-7e4HAuzhpFuRY8w)  [SparkNotes](https://www.sparknotes.com/)  [Shmoop](https://www.shmoop.com/) |
| **Maths (Higher)** | **Pearson GCSE Mathematics (1MA1H)**  [**Edexcel GCSE Mathematics (2015) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html) | **Paper 1 (Non-calculator) : 20th May 2022**  *Number*   * Fraction of an amount * Fraction arithmetic * Recurring decimal to fraction * Product of prime factors * Negative and fractional indices * Simplification of surds * Standard Form Conversion * Standard Form Calculation   *Algebra*   * Simplification * Expansion of brackets * Algebraic fractions * Linear inequality * Form an equation * Quadratic equation * Equation of a tangent to a circle * Quadratic graph * Speed-time graph * Gradients of parallel and perpendicular lines * Gradient of a curve   *Ratio, proportion and rates of change*   * Percentage of an amount * Write as a ratio * Use of ratio * Share in a ratio * Ratio to fraction * Equations of proportion * Density   *Geometry and measures*   * Angles in a polygon * Area of a triangle * Volume of a cube * Surface area of a cuboid * Area of a sector * Pythagoras’s Theorem * Exact trigonometric values * Vector geometry   *Probability*   * Probability * Independent combined events   *Statistics*   * Cumulative frequency graph * Mean * Interquartile range | **Paper 2 (calculator) : 7th June 2022**  *Number*   * Error interval * Use of a calculator   *Algebra*   * Simplification * Expansion of bracket * Factorisation * Laws of indices * Linear equation * Equations of parallel lines * Form an equation * Quadratic inequality * Coordinates * Transformations of functions * Graphs of trigonometric functions * Inverse and composite functions   *Ratio, proportion and rates of change*   * Area conversion * Depreciation * Use of ratio * Direct proportion * Currency conversion * Inverse proportion * Pressure   *Geometry and measures*   * Transformations * Circle theorems * Area of a rectangle * Volume of composite solid * Sine and Cosine Rules   *Probability*   * Venn diagram * Probability from a Venn diagram   *Statistics*   * Box plot * Lower and upper quartiles * Compare distributions * Capture-recapture method | **Paper 3 (calculator) : 13th June 2022**  *Number*   * Negative number * Laws of indices * Bounds * Product rule for counting   *Algebra*   * Simplification * Expansion of bracket * Substitute values * Difference of two squares * Expansion of brackets * Change subject of a formula * Forming an expression * Algebraic fractions * Set up and solve equation * Simultaneous equations * linear/quadratic Graphs * Gradient of a straight line graph   *Ratio, proportion and rates of change*   * Time conversion * Percentage decrease * Depreciation * Reverse percentage * Write as a ratio 1 : n form * Share in a ratio * Direct proportion * Average speed * General iterative processes   *Geometry and measures*   * Circle theorems * Area of a trapezium * Similar triangles * Pythagoras’s Theorem * Trigonometry * Trigonometry in 3-D * Column vectors   *Probability*   * Dependent combined events   *Statistics*   * Frequency polygon * Histogram | **Past exam papers**  [**Edexcel GCSE Mathematics (2015) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.coursematerials.html#%2FfilterQuery=category:Pearson-UK:Category%2FExam-materials)  **On Maths**  **Self-marking exam papers and exam walk throughs**  [**https://www.onmaths.com/**](https://www.onmaths.com/)  **MyMaths**  [**https://www.mymaths.co.uk/**](https://www.mymaths.co.uk/) |
| Formula sheet provided for all exams : <https://qualifications.pearson.com/content/dam/pdf/GCSE/mathematics/2015/teaching-and-learning-materials/w73375-gcse-mathematics-1ma1-exam-aid-1h-2h-3h.pdf> | | |
| **Maths (Foundation)** | **Pearson GCSE Mathematics (1MA1F)**  [**Edexcel GCSE Mathematics (2015) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html) | **Paper 1 (Non-calculator) : 20th May 2022**  *Number*   * Money * Negative number * Order fractions, decimals, percentages * Fraction of an amount * Fraction arithmetic * Place value * Product of prime factors * Standard Form Conversion * Estimation   *Algebra*   * Simplification * Substitute values * Linear inequality * Quadratic equation * Quadratic graph * Linear sequence   *Ratio, proportion, and rates of change*   * Length conversion * Percentage of an amount * Percentage increase * Write as a ratio * Share in a ratio * Direct proportion * Speed * Density   *Geometry and measures*   * Reflection * Plan and elevation * Angles in a polygon * Volume of a cube * Volume of a cylinder * Exact trigonometric values   *Probability*   * Probability * Frequency tree   *Statistics*   * Pictogram * Bar chart * Stem and leaf diagram | **Paper 2 (calculator) : 7th June 2022**  *Number*   * Money * Negative number * Fraction arithmetic * Order fractions * Order integers * Multiples * Rounding * Error interval * Mathematical symbols   *Algebra*   * Simplification * Expansion of bracket * Factorisation * Laws of indices * Linear simultaneous equations * Coordinates * Straight line graph * Number machines   *Ratio, proportion and rates of change*   * Conversions of Mass, time, area * Scale drawing * Decimal to percentage * Percentage profit * Depreciation * Write as a ratio * Use of ratio * Direct proportion * Currency conversion   *Geometry and measures*   * Polygons * Circles * Parallel and perpendicular lines * Transformations * Angles in a triangle * Vertically opposite angles * Area of a rectangle   *Probability*   * Tree diagram * Combined events   *Statistics*   * Interpret graph * Two-way table * Frequency table * Mode Median Mean | **Paper 3 (calculator) : 13th June 2022**  *Number*   * Four operations * Negative number * Fraction of an amount * One amount as a fraction of another * Equivalent fractions * Factors * Lowest Common Multiple * Square root * Rounding * Calculator use   *Algebra*   * Simplification * Expansion of bracket * Factorisation * Substitute values * Change subject of a formula Forming an expression * Linear equation * Form an equation * Linear sequence   *Ratio, proportion and rates of change*   * Time conversion * Compound units conversion * Scale drawing * Percentage to fraction * One quantity as a percentage of another * Percentage decrease * Reverse percentage * Write as a ratio 1 : n form * Direct proportion * Average speed   *Geometry and measures*   * Triangle properties * Quadrilaterals * Triangular prism * Angle properties of parallel lines * Angles in a triangle * Vertically opposite angles * Bearings * Area of a triangle * Area of a trapezium * Pythagoras’s Theorem   *Probability*   * Probability scale * Probability   *Statistics*   * Frequency polygon * Median Range * Comparison of distributions |
| **Formula sheet provided for all exams :** [**https://qualifications.pearson.com/content/dam/pdf/GCSE/mathematics/2015/teaching-and-learning-materials/w73374-gcse-mathematics-1ma1-exam-aid-1f-2f-3f.pdf**](https://qualifications.pearson.com/content/dam/pdf/GCSE/mathematics/2015/teaching-and-learning-materials/w73374-gcse-mathematics-1ma1-exam-aid-1f-2f-3f.pdf) | | |  |
| **Combined Science : Trilogy (Higher)** | **AQA Combined Science : Trilogy**  **(8464H)**  [**AQA | GCSE | Combined Science: Trilogy | Changes for 2022**](https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/changes-for-2022) | **Biology Paper 1 : 17th May 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.1.2 Cell division * 4.2.2 Animal tissues, organs and organ systems * 4.4.1 Photosynthesis   *Required practical activities that will be assessed:*   * Required practical activity 3: use qualitative reagents to test for a range of carbohydrates, lipids and proteins. * Required practical activity 4: investigate the effect of pH on the rate of reaction of amylase enzyme. * Required practical activity 5: investigate the effect of light on the rate of photosynthesis of an aquatic plant such as pondweed.   *Topics not assessed in this paper:*   * 4.1.1.5 Microscopy * 4.1.3 Transport in cells * 4.2.3 Plant tissues, organs and systems * 4.3.1.2 Viral diseases * 4.3.1.4 Fungal diseases * 4.3.1.5 Protist diseases * 4.3.1.6 Human defence systems * 4.4.1.3 Uses of glucose from photosynthesis * 4.4.2.2 Response to exercise   **Biology Paper 2 : 15th June**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.5.3 Hormonal control in humans * 4.7.2 Organisation of an ecosystem * 4.7.3 Biodiversity and the effect of human interaction on an ecosystem   *Required practical activity that will be assessed:*   * Required practical activity 7: measure the population size of a common species in a habitat. Use sampling techniques to investigate the effect of a factor on the distribution of this species   *Topics* ***not assessed*** *in this paper:*   * 4.5.2 The human nervous system * 4.5.3.4 Contraception * 4.6.1.1 Sexual and asexual reproduction * 4.6.1.3 DNA and the genome * 4.6.1.4 Genetic inheritance * 4.6.1.5 Inherited disorders * 4.6.1.6 Sex determination * 4.6.2 Variation and evolution * 4.6.3 The development of understanding of genetics and evolution * 4.7.1.4 Adaptations * 4.7.3.3 Land use * 4.7.3.4 Deforestation | **Chemistry Paper 1 : 27th May 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 5.2.2 How bonding and structure are related to the properties of substances * 5.3.2 Use of amount of substance in relation to masses of pure substances * 5.4.1 Reactivity of metals * 5.4.2 Reactions of acids * 5.4.3 Electrolysis * 5.5.1 Exothermic and endothermic reactions   *Required practical activities that will be assessed:*   * Required practical activity 8: preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen burner to heat dilute acid and a water bath or electric heater to evaporate the solution. * Required practical activity 9: investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation involving developing a hypothesis. * Required practical activity 10: investigate the variables that affect temperature changes in reacting solutions such as, eg, acid plus metals, acid plus carbonates, neutralisations, displacement of metals.   *Topics* ***not assessed*** *in this paper:*  Not applicable  **Chemistry Paper 2 : 20th June**  *For this paper, the following list shows the major focus of the content of the exam:*   * 5.6.1 Rate of reaction * 5.6.2 Reversible reactions and dynamic equilibrium * 5.7.1 Carbon compounds as fuels and feedstock * 5.8.1 Purity, formulations and chromatography * 5.9.1 The composition and evolution of the Earth’s atmosphere * 5.10.1 Using the Earth’s resources and obtaining potable water   *Required practical activities that will be assessed:*   * Required practical activity 11: investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change in colour or turbidity. This should be an investigation involving developing a hypothesis. * Required practical activity 12: investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate Rf values.   *Topic not assessed in this paper:*   * 5.8.2 Identification of common gases | **Physics Paper 1 : 9th June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes * 6.2.4 Energy transfers * 6.3.1 Changes of state and the particle model * 6.3.3 Particle model and pressure * 6.4.1 Atoms and isotopes * 6.4.2 Atoms and nuclear radiation   *Required practical activities that will be assessed:*   * Required practical activity 14: an investigation to determine the specific heat capacity of one or more materials. The investigation will involve linking the decrease of one energy store (or work done) to the increase in temperature and subsequent increase in thermal energy stored. * Required practical activity 16: use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements, including a filament lamp, a diode and a resistor at constant temperature.   *Topics* ***not assessed*** *in this paper:*   * 6.2.2 Series and parallel circuits * 6.2.3 Domestic uses and safety * 6.3.2 Internal energy and energy transfers   **Physics Paper 2 : 23rd June**  *For this paper, the following list shows the major focus of the content of the exam:*   * 6.5.1 Forces and their interactions * 6.5.4.1 Describing motion along a line * 6.5.4.2 Forces, accelerations and Newton's Laws of motion * 6.5.5 Momentum * 6.6.2 Electromagnetic waves * 6.7.2 The motor effect   *Required practical activity that will be assessed:*   * Required practical activity 21: investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface.   *Topics* ***not assessed*** *in this paper:*   * 6.5.3 Forces and elasticity * 6.5.4.3 Forces and braking * 6.7.1 Permanent and induced magnetism, magnetic forces and fields   **Revised formula sheet provided for Physics exams :**  [**https://filestore.aqa.org.uk/resources/science/AQA-8464-8465-ES-INS.PDF**](https://filestore.aqa.org.uk/resources/science/AQA-8464-8465-ES-INS.PDF) | **Past exam papers**  [**AQA | GCSE | Combined Science: Trilogy | Assessment resources**](https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources) |
| **Combined Science : Trilogy (Foundation)** | **AQA Combined Science : Trilogy**  **(8464F)**  [**AQA | GCSE | Combined Science: Trilogy | Changes for 2022**](https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/changes-for-2022) | **Biology Paper 1 : 17th May 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.1.2 Cell division * 4.2.2 Animal tissues, organs and organ systems * 4.3.1 Communicable diseases * 4.4.1 Photosynthesis   *Required practical activities that will be assessed:*   * Required practical activity 1: use of a light microscope. * Required practical activity 3: use qualitative reagents to test for a range of carbohydrates, lipids and proteins. * Required practical activity 5: investigate the effect of light on the rate of photosynthesis of an aquatic plant such as pondweed.   *Topics* ***not assessed*** *in this paper:*   * 4.1.3.2 Osmosis * 4.1.3.3 Active transport * 4.2.2.4 Coronary heart disease: a non-communicable disease * 4.4.1.3 Uses of glucose from photosynthesis * 4.4.2 Respiration   **Biology Paper 2 : 15th June 2022**  *For this paper, the following list shows the major focus of the content of the exam*:   * 4.5.3 Hormonal control in humans * 4.6.1 Reproduction * 4.7.1 Adaptations, interdependence and competition * 4.7.2 Organisation of an ecosystem   *Required practical activity that will be assessed*:   * Required practical activity 7: measure the population size of a common species in a habitat. Use sampling techniques to investigate the effect of a factor on the distribution of this species.   *Topics* ***not assessed*** *in this paper:*   * 4.5.2 The human nervous system * 4.5.3.3 Hormones in human reproduction * 4.5.3.4 Contraception * 4.6.1.1 Sexual and asexual reproduction * 4.6.1.2 Meiosis * 4.6.1.6 Sex determination * 4.6.2.1 Variation * 4.6.2.2 Evolution * 4.6.2.3 Selective breeding * 4.6.3.3 Extinction * 4.6.3.4 Resistant bacteria * 4.7.1.4 Adaptations * 4.7.3.1 Biodiversity * 4.7.3.3 Land use * 4.7.3.4 Deforestation * 4.7.3.5 Global warming * 4.7.3.6 Maintaining biodiversity | **Chemistry Paper 1 : 27th May 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 5.1.2 The periodic table * 5.2.2 How bonding and structure are related to the properties of substances * 5.2.3 Structure and bonding of carbon * 5.4.1 Reactivity of metals * 5.4.2 Reactions of acids * 5.4.3 Electrolysis   *Required practical activities that will be assessed:*   * Required practical activity 8: preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen burner to heat dilute acid and a water bath or electric heater to evaporate the solution. * Required practical activity 9: investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation involving developing a hypothesis. * Required practical activity 10: investigate the variables that affect temperature changes in reacting solutions such as, eg, acid plus metals, acid plus carbonates, neutralisations, displacement of metals.   *Topics* ***not assessed*** *in this paper:*  Not applicable  **Chemistry Paper 2 : 20th June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 5.6.1 Rate of reaction * 5.6.2 Reversible reactions and dynamic equilibrium * 5.7.1 Carbon compounds as fuels and feedstock * 5.8.1 Purity, formulations and chromatography * 5.9.1 The composition and evolution of the Earth’s atmosphere * 5.9.3 Common atmospheric pollutants and their sources * 5.10.1 Using the Earth’s resources and obtaining potable water   *Required practical activities that will be assessed:*   * Required practical activity 11: investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change in colour or turbidity. This should be an investigation involving developing a hypothesis. * Required practical activity 12: investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate Rf values.   *Topic* ***not assessed*** *in this paper:*   * 5.9.2 Carbon dioxide and methane as greenhouse gases | **Physics Paper 1 : 9th June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes * 6.1.3 National and global energy resources * 6.2.1 Current, potential difference and resistance * 6.3.1 Changes of state and the particle model * 6.4.2 Atoms and nuclear radiation   *Required practical activities that will be assessed*:   * Required practical activity 14: an investigation to determine the specific heat capacity of one or more materials. The investigation will involve linking the decrease of one energy store (or work done) to the increase in temperature and subsequent increase in thermal energy stored. * Required practical activity 16: use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements, including a filament lamp, a diode and a resistor at constant temperature.   *Topics* ***not assessed*** *in this paper:*   * 6.2.3 Domestic uses and safety * 6.3.3 Particle model and pressure * 6.4.1 Atoms and isotopes   **Physics Paper 2 : 23rd June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 6.5.1 Forces and their interactions * 6.5.4.1 Describing motion along a line * 6.5.4.2 Forces, accelerations and Newton's Laws of motion * 6.5.4.3 Forces and braking * 6.6.2 Electromagnetic waves * 6.7.1 Permanent and induced magnetism, magnetic forces and fields * 6.7.2 The motor effect   *Required practical activity that will be assessed:*   * Required practical activity 21: investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface.   *Topic* ***not assessed*** *in this paper:*   * 6.5.3 Forces and elasticity   **Revised formula sheet provided for Physicsexams :**  [**https://filestore.aqa.org.uk/resources/science/AQA-8464-8465-ES-INS.PDF**](https://filestore.aqa.org.uk/resources/science/AQA-8464-8465-ES-INS.PDF) | **Past exam papers**  [**AQA | GCSE | Combined Science: Trilogy | Assessment resources**](https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources) |
| **Biology (Higher)** | **AQA GCSE Biology (8461H)**  [**AQA | GCSE | Biology | Changes for 2022**](https://www.aqa.org.uk/subjects/science/gcse/biology-8461/changes-for-2022) | **Paper 1 : 17th May 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.1.1 Cell structure * 4.1.3 Transport in cells * 4.2.2 Animal tissues, organs and organ systems * 4.2.3 Plant tissues, organs and systems * 4.3.1 Communicable diseases * 4.3.2 Monoclonal antibodies   *Required practical activities that will be assessed:*   * Required practical activity 1: use a light microscope to observe plant cells. * Required practical activity 3: investigate the effect of a range of concentrations of salt solution on the mass of plant tissue. * Required practical activity 4: use qualitative reagents to test for a range of carbohydrates, lipids and proteins.   *Topics* ***not assessed*** *in this paper:*   * 4.2.2.3 Blood * 4.2.2.7 Cancer * 4.3.1.8 Antibiotics and pain killers * 4.3.1.9 Discovery and development of drugs * 4.4.2.2 Response to exercise | **Paper 2 : 15th June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.5.2 The human nervous system * 4.5.3 Hormonal control in humans * 4.5.4 Plant hormones * 4.6.1 Reproduction * 4.7.2 Organisation of an ecosystem   *Required practical activities that will be assessed:*   * Required practical activity 8: investigate the effect of light on the growth of newly germinated seedlings. * Required practical activity 9: measure the population size of a common species in a habitat.   *Topics* ***not assessed*** *in this paper*:   * 4.5.2.1 Structure and function * 4.5.2.2 The brain * 4.5.2.3 The eye * 4.5.3.4 Hormones in human reproduction * 4.5.3.5 Contraception * 4.5.3.6 The use of hormones to treat infertility * 4.5.3.7 Negative feedback * 4.5.4.2 Use of plant hormones * 4.6.1.3 Advantages and disadvantages of sexual and asexual reproduction * 4.6.1.8 Sex determination * 4.6.2 Variation and evolution * 4.6.3 The development of understanding of genetics and evolution * 4.6.4 Classification of living organisms * 4.7.1.4 Adaptations * 4.7.2.4 Impact of environmental change * 4.7.3.1 Biodiversity * 4.7.3.4 Deforestation * 4.7.3.6 Maintaining biodiversity * 4.7.4.1 Trophic levels * 4.7.4.2 Pyramids of biomass * 4.7.5.3 Sustainable fisheries * 4.7.5.4 Role of biotechnology |  | **Past exam papers**  [**AQA | GCSE | Biology | Assessment resources**](https://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources) |
| **Chemistry (Higher)** | **AQA GCSE Chemistry (8462H)**  [**AQA | GCSE | Chemistry | Changes for 2022**](https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/changes-for-2022) | **Paper 1 : 27th May 2022**  *For this paper, the following list shows the major focus of the content of the exam*:   * 4.1.2 The periodic table * 4.2.1 Chemical bonds, ionic, covalent and metallic * 4.2.2 How bonding and structure are related to the properties of substances * 4.2.3 Structure and bonding of carbon * 4.3.2 Use of amount of substance in relation to masses of pure substances * 4.4.1 Reactivity of metals * 4.4.2 Reactions of acids * 4.4.3 Electrolysis * 4.5.1 Exothermic and endothermic reactions   *Required practical activities that will be assessed:*   * Required practical activity 1: preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen burner to heat dilute acid and a water bath or electric heater to evaporate the solution. * Required practical activity 2: determination of the reacting volumes of solutions of a strong acid and a strong alkali by titration. * Required practical activity 4: investigate the variables that affect temperature changes in reacting solutions such as, eg, acid plus metals, acid plus carbonates, neutralisations, displacement of metals.   *Topic* ***not assessed*** *in this paper:*   * 4.2.4 Bulk and surface properties of matter including nanoparticles | **Paper 2 : 20th June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.6.1 Rate of reaction * 4.6.2 Reversible reactions and dynamic equilibrium * 4.7.1 Carbon compounds as fuels and feedstock * 4.9.1 The composition and evolution of the Earth’s atmosphere * 4.10.1 Using the Earth’s resources and obtaining potable water * 4.10.4 The Haber process and the use of NPK fertilisers   *Required practical activities that will be assessed:*   * Required practical activity 5: investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change in colour or turbidity. This should be an investigation developing a hypothesis. * Required practical activity 7: use of chemical tests to identify the ions in unknown single ionic compounds covering the ions from sections Flame tests through to Sulfates.   *Topic* ***not assessed*** *in this paper:*   * 4.9.2 Carbon dioxide and methane as greenhouse gases |  | **Past exam papers**  [**AQA | GCSE | Chemistry | Assessment resources**](https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources) |
| **Physics (Higher)** | **AQA GCSE Physics (8463H)**  [**AQA | GCSE | Physics | Changes for 2022**](https://www.aqa.org.uk/subjects/science/gcse/physics-8463/changes-for-2022) | **Paper 1 : 9th June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.1.1 Energy changes in a system, and the ways energy is stored before and after such changes * 4.1.2 Conservation and dissipation of energy * 4.2.4 Energy transfers * 4.3.1 Changes of state and the particle model * 4.3.2 Internal energy and energy transfers   *Required practical activities that will be assessed:*   * Required practical activity 2: investigate the effectiveness of different materials as thermal insulators and the factors that may affect the thermal insulation properties of a material. * Required practical activity 5: use appropriate apparatus to make and record the measurements needed to determine the densities of regular and irregular solid objects and liquids. Volume should be determined from the dimensions of regularly shaped objects, and by a displacement technique for irregularly shaped objects. Dimensions to be measured using appropriate apparatus such as a ruler, micrometer or Vernier callipers.   *Topics* ***not assessed*** *in this paper:*   * 4.2.1 Current, potential difference and resistance * 4.2.2 Series and parallel circuits * 4.2.3 Domestic uses and safety * 4.3.3 Particle model and pressure * 4.4.1 Atoms and isotopes * 4.4.3 Hazards and uses of radioactive emissions and of background radiation * 4.4.4 Nuclear fission and fusion | **Paper 2 : 23rd June 2022**  *For this paper, the following list shows the major focus of the content of the exam:*   * 4.5.1 Forces and their interactions * 4.5.2 Work done and energy transfer * 4.5.3 Forces and elasticity * 4.5.5 Pressure and pressure differences in fluids * 4.5.6.1 Describing motion along a line * 4.5.7 Momentum * 4.6.1 Waves in air, fluids and solids * 4.8.1 Solar system; stability of orbital motions; satellites * 4.8.2 Red-shift   *Required practical activity that will be assessed:*   * Required practical activity 9: investigate the reflection of light by different types of surface and the refraction of light by different substances.   *Topics* ***not assessed*** *in this paper:*   * 4.5.4 Moments, levers and gears * 4.6.2 Electromagnetic waves * 4.6.3 Black body radiation * 4.7.1 Permanent and induced magnetism, magnetic forces and fields |  | **Past exam papers**  [**AQA | GCSE | Physics | Assessment resources**](https://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources) |
| **History** | **Pearson GCSE History**  [**Edexcel GCSE History (2016) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/history-2016.html) | **Paper 1 : 19th May**  *Thematic study and historic environment*  Crime and punishment in Britain, c1000–present and Whitechapel, c1870–c1900: crime, policing and the inner city. | **Paper 2 : 16th June**  *British depth study*  The reigns of King Richard I and King John, 1189–1216 | **Paper 3 : 9th June**  *Modern depth study*  Weimar and Nazi Germany, 1918–39 | **Past exam papers**  [**Edexcel GCSE History (2016) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/history-2016.coursematerials.html#%2FfilterQuery=category:Pearson-UK:Category%2FExam-materials) |
| **Geography** | **AQA GCSE Geography (8035)**  [**AQA | GCSE | Geography | Changes for 2022**](https://www.aqa.org.uk/subjects/geography/gcse/geography-8035/changes-for-2022) | **Paper 1 : 23rd May 2022**  *Living with the Physical environment*  There are no changes to the assessment of this paper | **Paper 2 : 7th June 2022**  *Challenges in the human environment*  Section A  Students answer all questions  Section B or C  Students choose one of these sections - our focus is on **section C : the challenge of resource management (water)** | **Paper 3 : 14th June 2022**  *Geographical applications*  Familiar fieldwork question will be removed (Section B, Q5 on previous papers) | **Past exam papers**  [**AQA | GCSE | Geography | Assessment resources**](https://www.aqa.org.uk/subjects/geography/gcse/geography-8035/assessment-resources)  **Revision**  [**Planet Lacey: Geography Revision - YouTube**](https://www.youtube.com/channel/UCPumLvJapv0Yyk5Cyqoewew?app=desktop)  [**GCSE Geography - AQA - BBC Bitesize**](https://www.bbc.co.uk/bitesize/examspecs/zy3ptyc)  [**https://www.coolgeography.co.uk/**](https://www.coolgeography.co.uk/) |
| **Religious Studies** | **AQA GCSE Religious Studies A (8062)**  [**AQA | GCSE | Religious Studies A | Changes for 2022**](https://www.aqa.org.uk/subjects/religious-studies/gcse/religious-studies-a-8062/changes-for-2022) | **Paper 1 : 16th May**  *The Study of Religious Components : Buddhism and Christianity*  Buddhism Beliefs and teachings  The human personality, in the Theravada and Mahayana traditions:   * Theravada: the Five Aggregates (skandhas) of form, sensation, perception, mental formations, consciousness. * Human destiny: Buddhahood and the Pure Land. * The Buddha’s life and its significance: the birth of the Buddha and his life of luxury * The Four Sights: illness, old age, death, holy man * The Buddha’s Enlightenment. * The Four Noble Truths: suffering (dukkha) including different types of suffering * The causes of suffering (samudaya); the Three Poisons, ignorance, greed and hate. The end of craving (tanha)   *Buddhism Practices*   * The nature, use and importance of Buddhist places of worship including temples, shrines, monasteries (viharas), halls for meditation or learning (gompas) and their key features including Buddha rupa, artefacts and offerings. * Meditation, the different aims, significance and methods of meditation: Samatha (concentration and tranquillity) including mindfulness of breathing Vipassana (insight) including zazen. * The practice and significance of different ceremonies and rituals associated with death and mourning in Theravada communities and in Japan and Tibet. * Ethical teaching: kamma (karma) and rebirth compassion (karuna).   *Christian Beliefs and Teachings*   * The nature of God: the oneness of God and the Trinity: Father, Son and Holy Spirit. * Different Christian beliefs about creation including the role of Word and Spirit (John 1:1–3 and Genesis 1:1–3). * Different Christian beliefs about the afterlife and their importance, including: resurrection and life after death; judgement, heaven and hell. * Beliefs and teachings about: the crucifixion, resurrection and ascension, the means of salvation, including law, grace and Spirit. * The role of Christ in salvation including the idea of atonement.   *Christian Practices*   * The role and meaning of the sacraments: the sacrament of baptism and its significance for Christians; infant and believers' baptism; different beliefs about infant baptism. * The role and importance of celebrations including: the celebrations of Christmas and Easter, including their importance for Christians in Great Britain today. * The place of mission, evangelism and Church growth. * The importance of the worldwide Church including: working for reconciliation, How Christian churches respond to persecution. | | **Paper 2 : 25th May**  *Thematic Studies*  No advance information for this paper | **Past exam papers**  [**Assessment resources - GCSE Religious Studies A (8062)**](https://www.aqa.org.uk/subjects/religious-studies/gcse/religious-studies-a-8062/assessment-resources) |
| **French** | **AQA MFL GCSE French (8658)**  [**AQA | GCSE | French | Changes for 2022**](https://www.aqa.org.uk/subjects/languages/gcse/french-8658/changes-for-2022) | **Paper 1 : 24th May 2022**  *Listening*  **Paper 2 TBA**  *Speaking*  **Paper 3 : 24h May 2022**  *Reading*  No advance information for these papers | **Paper 4 Higher : 16th June 2022**  *Theme 1 – Identity and culture*   * Topic 1: Me, my family and friends * Topic 2: Technology in everyday life * Topic 3: Free-time activities   *Theme 2 – Local, national, international and global areas of interest*   * Topic 1: Home, town, neighbourhood and region * Topic 2: Social issues * Topic 3: Global issues   *Theme 3 – Current and future study and employment*   * Topic 1: My studies * Topic 2: Life at school/college * Topic 3: Education post-16 * Topic 4: Jobs, career choices and ambitions   ***Translation task can cover all topics*** | **Paper 4 Foundation : 16th June 2022**  *Theme 1 – Identity and culture*   * Topic 1: Me, my family and friends * Topic 2: Technology in everyday life * Topic 3: Free-time activities   *Theme 2 – Local, national, international and global areas of interest*   * Topic 1: Home, town, neighbourhood and region * Topic 2: Social issues   *Theme 3 – Current and future study and employment*   * Topic 1: My studies * Topic 2: Life at school/college * Topic 4: Jobs, career choices and ambitions   ***Translation task can cover all topics*** | **Past exam papers**  [**AQA | GCSE | French | Assessment resources**](https://www.aqa.org.uk/subjects/languages/gcse/french-8658/assessment-resources) |
| **Spanish** | **AQA MFL GCSE Spanish (8698)**  [**AQA | GCSE | Spanish | Changes for 2022**](https://www.aqa.org.uk/subjects/languages/gcse/spanish-8698/changes-for-2022) | **Paper 1 : 26th May 2022**  *Listening*  **Paper 2 TBA**  *Speaking*  **Paper 3 : 26th May 2022**  *Reading*  No advance information for these papers | **Paper 4 Higher : 17th June 2022**  *Theme 1 – Identity and culture*   * Topic 1: Me, my family and friends * Topic 2: Technology in everyday life * Topic 4: Customs and festivals in Spanish-speaking countries/communities   *Theme 2 – Local, national, international and global areas of interest*   * Topic 1: Home, town, neighbourhood and region * Topic 2: Social issues * Topic 3: Global issues * Topic 4: Travel and tourism   *Theme 3 – Current and future study and employment*   * Topic 1: My studies * Topic 2: Life at school/college * Topic 3: Education post-16 * Topic 4: Jobs, career choices and ambitions   ***Translation task can cover all topics*** | **Paper 4 Foundation : 17th June 2022**  *Theme 1 – Identity and culture*   * Topic 1: Me, my family and friends * Topic 2: Technology in everyday life * Topic 3: Free-time activities * Topic 4: Customs and festivals in Spanish-speaking countries/communities   *Theme 2 – Local, national, international and global areas of interest*   * Topic 1: Home, town, neighbourhood and region * Topic 2: Social issues * Topic 3: Global issues * Topic 4: Travel and tourism   *Theme 3 – Current and future study and employment*   * Topic 1: My studies * Topic 2: Life at school/college * Topic 4: Jobs, career choices and ambitions   ***Translation task can cover all topics*** | **Past exam papers**  [**AQA | GCSE | Spanish | Assessment resources**](https://www.aqa.org.uk/subjects/languages/gcse/spanish-8698/assessment-resources) |
| **GCSE PE** | **OCR GCSE Physical Education (J587)**  [**GCSE Changes for 2022**](https://www.ocr.org.uk/qualifications/gcse/physical-education-j587-from-2016/changes-for-2022/) | **Paper 1 : 24th May 2022**  *Physical factors affecting performance*  *1.1 Applied anatomy and physiology*  *1.1.c. Movement analysis*   * Lever systems * Planes of movement and axes of rotation   *1.1.d. The cardiovascular and respiratory systems*   * Structure and function of the cardiovascular system * Structure and function of the respiratory system   *1.1.e. Effects of exercise on body systems*   * Short-term effects of exercise * Long-term (training) effects of exercise   *1.2 Physical training*  *1.2.a. Components of fitness*  *1.2.b. Applying the principles of training*   * Types of training   *1.2.c. Preventing injury in physical activity and training*   * Minimising the risk of injury | **Paper 2 : 10th June 2022**  *Socio-cultural issues and sports psychology**2.1 Socio-cultural influences*  *2.1.a. Engagement patterns of different groups in physical activities and sports*   * Physical activity and sport in the UK * Participation in physical activity and sport   *2.2 Sports psychology*  *2.2.3. Goal setting*  *2.2.5. Types of guidance*  *2.2.6. Types of feedback*  *2.3 Health, fitness and well-being*  *2.3.1. Health, fitness and well-being*  *2.3.2. Diet and nutrition* |  | **Past exam papers**  [**GCSE Physical Education (9-1) - J587 Teaching from 2016**](https://www.ocr.org.uk/qualifications/gcse/physical-education-j587-from-2016/assessment/)  **Revision**  [**The EverLearner**](https://theeverlearner.com/) |
| **Sport Studies** | **OCR Sport Studies CNC**  [**Cambridge Nationals - Sport Studies Level 1/2 Award/Certificate - J803, J813 - OCR**](https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-studies-level-1-2-j803-j813/) | * Some students still to sit exam * NEA to be completed to internally set deadlines | | | **Past exam papers**  [**Cambridge Nationals - Sport Studies Level 1/2 Award/Certificate - J803, J813 - OCR**](https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-studies-level-1-2-j803-j813/assessment/)  **Revision**  [**The EverLearner**](https://theeverlearner.com/) |
| **Music** | **Pearson GCSE Music**  [**Edexcel GCSE Music (2016) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/music-2016.html) | **Component 1 (Performing)**  *No exam* | **Component 2 (Composing)**  *No exam* | **Component 3 (Appraising) : 22nd June 2022**  *Section A*  Please note set works are listed in specification order not question order.  Set works   * J S Bach: 3rd Movement from Brandenburg Concerto no.5 in D major * L van Beethoven: 1st Movement from Piano Sonata no.8 in C minor ‘Pathétique’ * H Purcell: Music for a While * Queen: Killer Queen (from the album ‘Sheer Heart Attack’) * J Williams: Main Title/Rebel Blockade Runner (from the soundtrack to ‘Star Wars Episode IV: A New Hope’) * Afro Celt Sound System: Release (from the album ‘Volume 2: Release’)   Musical dictation   * Treble clef   Unfamiliar Area of study   * Fusions   *Section B*  Set work and Area of study  Music for Stage and Screen   * Extract A: S Schwartz: Defying Gravity (from the album of the cast recording of ‘Wicked’) | **Past exam papers**  [**Edexcel GCSE Music (2016) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/music-2016.coursematerials.html#filterQuery=Pearson-UK:Category%2FExam-materials) |
| **Drama** | **AQA GCSE Drama (8261)**  [**AQA | GCSE | Drama | Assessment resources**](https://www.aqa.org.uk/subjects/drama/gcse/drama-8261/assessment-resources) | **Exam : 19th May 2022**  **Section A and C** *- No advance informations*  **Section B**  *Blood Brothers by Willy Russell*   * *Act Two Start: (page number 68) The classroom sequence breaks up as we see Mrs Lyons staring at a piece of paper. Edward is standing before her. Mrs Lyons (incredulously) Suspended? Suspended? (She looks at the paper.) Because of a locket. Finish: (page number 75) Edward Come on then…..my ma…* | **Devising Drama**  NEA completed to internal deadlines |  | **Past exam papers**  [**AQA | GCSE | Drama | Assessment resources**](https://www.aqa.org.uk/subjects/drama/gcse/drama-8261/assessment-resources) |
| **Performance Skills** | **NCFE Performance Skills**  [**NCFE Level 1/2 Technical Award in Performance Skills**](https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-level-12-technical-award-in-performance-skills-4596#SupportMaterials) | * Resit exams for some students * Unit 2 project being completed to internally set deadlines | | | **Past exam papers**  [**NCFE Level 1/2 Technical Award in Performance Skills**](https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-level-12-technical-award-in-performance-skills-4596#SupportMaterials) |
| **Art** | **AQA GCSE Art**  [**AQA | Art and Design | GCSE**](https://www.aqa.org.uk/subjects/art-and-design/gcse/art-and-design-8201-8206) | * Component 1 (Portfolio) only to be completed and assessed no externally set assessment | | |  |
| **Design Technology** | **AQA GCSE Design Technology (8552)**  [**AQA | Design and Technology | GCSE**](https://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552) | **Exam : 15th June 2022**  *Focus of the exam:*   * 3.2.1 Selection of materials or components * 3.2.3 Ecological and social footprint * 3.2.8 Specialist techniques and processes * 3.3.2 Environmental, social and economic challenge * 3.3.5 Communication of design ideas * 3.3.6 Prototype development * 3.3.9 Material management | **Non-exam assessment**  To be completed within school deadlines |  | **Past exam papers**  [**AQA | GCSE | Design and Technology | Assessment resources**](https://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552/assessment-resources) |
| **Photography** | **AQA GCSE Photography**  [**AQA | Art and Design | GCSE**](https://www.aqa.org.uk/subjects/art-and-design/gcse/art-and-design-8201-8206) | * Component 1 (Portfolio) only to be completed and assessed no externally set assessment | | |  |
| **Child Development** | **NCFE Child development and Care**  [**NCFE CACHE Level 2 Technical Award in Child Development and Care**](https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-cache-level-2-technical-award-in-child-development-and-care-563#SupportMaterials) | * Exam completed but opportunity for resit if needed * NEA to be completed within internal deadlines | | | **Past exam papers**  [**NCFE CACHE Level 2 Technical Award in Child Development and Care**](https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-cache-level-2-technical-award-in-child-development-and-care-563#SupportMaterials) |
| **Construction** | **WJEC EDUQAS Constructing the Built environment**  [**Level 1/2 Constructing the Built Environment**](https://www.wjec.co.uk/qualifications/constructing-the-built-environment-level-1-2/#tab_overview) | * Unit 2 and 3 being completed to internally set deadlines | | | **Past exam papers**  [**Level 1/2 Constructing the Built Environment**](https://www.wjec.co.uk/qualifications/constructing-the-built-environment-level-1-2/#tab_pastpapers) |
| **Hospitality and Catering** | **WJEC EDUQAS Hospitality and Catering**  [**Level 1/2 Hospitality and Catering**](https://www.wjec.co.uk/qualifications/hospitality-and-catering-level-1-2/#tab_overview) | * Exam completed but opportunity for some to resit * NEA to be completed before Easter | | | **Past exam papers**  [**Level 1/2 Hospitality and Catering**](https://www.wjec.co.uk/qualifications/hospitality-and-catering-level-1-2/#tab_pastpapers) |
| **Computer Science** | **Pearson GCSE Computer Science (1CP2)**  [**Pearson Edexcel GCSE Computer Science (2020)**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/computer-science-2020.html) | **Paper 1 : 16th May 2022**  *Principles of Computer Science*  *1.1 Decomposition and abstraction*   * 1.1.1 understand the benefit of using decomposition and abstraction to model aspects of the real world and analyse, understand and solve problems   *1.2 Algorithms*   * 1.2.1 be able to follow and write algorithms (flowcharts) that use sequence, selection, and input, processing and output to solve problems * 1.2.2 be able to follow algorithms that use variables and constants and one-dimensional data structures (strings, records, arrays) * 1.2.4 be able to use a trace table to determine what value a variable will hold at a given point in an algorithm * 1.2.6 Understand how standard algorithms (linear search) work. * 1.2.7 be able to use logical reasoning to evaluate an algorithm’s fitness for purpose and efficiency (number of compares, number of passes through a loop)   *2.1 Binary*   * 2.1.2 understand how computers represent and manipulate two’s complement signed integers * 2.1.3 be able to convert between denary and 8-bit binary numbers (0 to 255) * 2.1.5 understand the concept of overflow in relation to the number of bits available to store a value * 2.1.6 be able to convert between hexadecimal and binary   *2.2 Data representation*   * 2.2.1 understand how computers encode characters using 7-bit ASCII * 2.2.2 understand how bitmap images are represented in binary (pixels, resolution, colour depth)   *2.3 Data storage and compression*   * 2.3.1 understand that data storage is measured in binary multiples (bit, nibble, byte, kibibyte, mebibyte) and be able to construct expressions to calculate file sizes and data capacity requirements * 2.3.2 understand the need for data compression and methods of compressing data (lossless, lossy)   *3.1 Hardware*   * 3.1.1 understand the von Neumann stored program concept * 3.1.2 understand the role of secondary storage and the ways in which data is stored on devices (magnetic, optical, solid state) * 3.1.3 understand the concept of an embedded system and what embedded systems are used for   *3.2 Software*   * 3.2.1 understand the purpose and functionality of an operating system (user management) * 3.2.2 understand the purpose and functionality of utility software (data compression) * 3.2.3 understand the importance of developing robust software   *3.3 Programming languages*   * 3.3.1 understand the characteristics and purposes of low-level and high-level programming languages * 3.3.2 understand how an interpreter differs from a compiler in the way it translates high-level code into machine code   *4.1 Networks*   * 4.1.1 understand why computers are connected in a network * 4.1.2 understand different types of network (LAN, WAN) * 4.1.3 understand how the internet is structured (IP addressing) * 4.1.4 understand how the characteristics of wired and wireless connectivity impact on performance (speed, latency) * 4.1.5 understand that network speeds are measured in bits per second (kilobit, megabit, gigabit) * 4.1.6 understand the role of and need for email protocols (POP3, SMTP, IMAP) * 4.1.7 understand how the 4-layer (application, transport, internet, link) TCP/IP model handles data transmission over a network * 4.1.8 understand characteristics of network topologies (star)   *4.2 Network security*   * 4.2.1 understand methods of protecting networks (firewalls)   *5.2 Ethical and legal*   * 5.2.1 understand legal issues associated with the collection and use of personal data (consent, data protection) * 5.2.2 understand ethical and legal issues associated with the use of artificial intelligence, machine learning and robotics (algorithmic bias)   *5.3 Cybersecurity*   * 5.3.2 understand methods of protecting digital systems and data (backup and recovery procedures) | | **Paper 2 : 27th May 2022**  *Application of Computational Thinking*  No advance information provided | **Past exam papers**  [**Computer Science (2020) | Pearson qualifications**](https://qualifications.pearson.com/en/qualifications/edexcel-gcses/computer-science-2020.coursematerials.html#%2FfilterQuery=category:Pearson-UK:Category%2FSpecification-and-sample-assessments) |
| **Creative Imedia** | **OCR Creative Imedia CNC**  [**Cambridge Nationals - Creative iMedia Level 1/2 Award/Certificate - J807, J817 - OCR**](https://www.ocr.org.uk/qualifications/cambridge-nationals/creative-imedia-level-1-2-award-certificate-j807-j817/) | * NEA being completed to meet internally set deadlines | | | **Past exam papers**  [**Cambridge Nationals - Creative iMedia Level 1/2 Award/Certificate - J807, J817 - OCR**](https://www.ocr.org.uk/qualifications/cambridge-nationals/creative-imedia-level-1-2-award-certificate-j807-j817/assessment/) |
| **Business and Enterprise** | **NCFE Business and Enterprise**  [**NCFE Level 1/2 Technical Award in Business and Enterprise**](https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-level-12-technical-award-in-business-and-enterprise-4594#SupportMaterials) | * NEA being completed to meet internally set deadlines | | | **Past exam papers**  [**NCFE Level 1/2 Technical Award in Business and Enterprise**](https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-level-12-technical-award-in-business-and-enterprise-4594#SupportMaterials) |
| **Further Maths** | **AQA Level 2 Certificate in Further Maths**  **(8365)**  [**AQA Certificate | Level 2 Further Mathematics | Changes for 2022**](https://www.aqa.org.uk/subjects/mathematics/aqa-certificate/further-mathematics-8365/changes-for-2022) | **Paper 1 : 8th June 2022**  *Number*   * Percentage increase * Ratio * Rationalisation of surd   *Algebra*   * Inverse function * Identity * Expanding brackets * Binomial expansion * Changing subject of formula * Completing the square * Quadratic inequality * Simultaneous equations, one linear and one second order * Index laws * nth term of sequence * Limiting value of sequence * Quadratic sequence   *Coordinate Geometry*   * Equation of line * Length of a line * Intercept of a line * Point on circle * Equation of tangent to a circle   *Calculus*   * Differentiation * Stationary points   *Matrix Transformations*   * Matrix multiplication * Matrix transformations   *Geometry*   * Circle theorems * Geometric proof * Sine rule * Pythagoras’ Theorem * Trigonometrical graph * Trigonometrical value * Trigonometrical identity | **Paper 2 : 22nd June 2022**  *Number*   * Ratio * Product rule   *Algebra*   * Inequality * Expanding three brackets * Factorisation * Rational expression simplification * Factor theorem * Exponential graph recognition * Solving equations * Quadratic equation * Three simultaneous equations * Quadratic inequality * Index laws * Algebraic proof * Linear sequence   *Coordinate Geometry*   * Equation of line * Midpoint of line * Parallel line * Equation of circle   *Calculus*   * Rate of change * Differentiation * Gradient of curve   *Matrix Transformations*   * Matrix multiplication   *Geometry*   * Cyclic quadrilateral * Area of a triangle * Pythagoras’ Theorem in 3D * Trigonometry * Trigonometry in 3D * Trigonometric equation |  | **Past exam papers**  [**AQA Certificate | Level 2 Further Mathematics | Assessment resources**](https://www.aqa.org.uk/subjects/mathematics/aqa-certificate/further-mathematics-8365/assessment-resources) |
| **Formula sheet to be provided for both exams :** [**https://filestore.aqa.org.uk/resources/mathematics/AQA-8365-FS-INS.PDF**](https://filestore.aqa.org.uk/resources/mathematics/AQA-8365-FS-INS.PDF) | | | |