

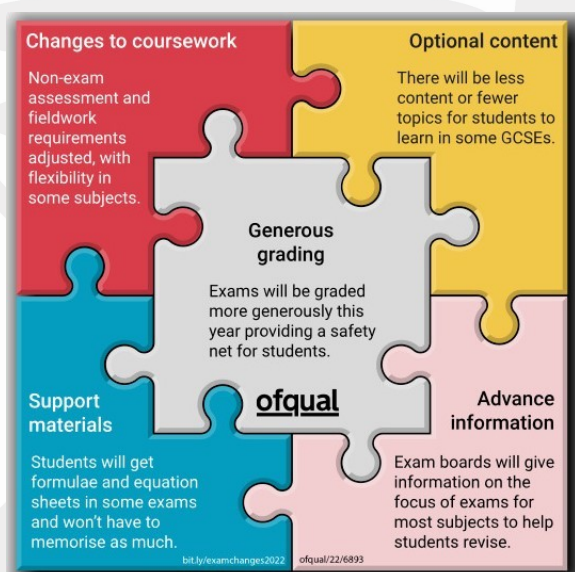
Preparing for EXAMS 2022



Dear Students and Parents/Carers

We have now had the announcement from the Government and it has been confirmed that exams are to take place this summer. I appreciate that this announcement will have a mixed response as some students would welcome a decision on their grade being made by judging their recent assessments, whilst others would rather be judged on their performance on the day. Whatever your feelings, it's important that we work together to support students so that their performance in these final exams is the very best it can be.

Ofqual has put in place several measures to assist candidates this year as a reaction to the disruption caused by Covid. As you can see in the image below, this includes changes to coursework, optional content, advanced information and support materials.



In this booklet, each subject has provided information on the changes made to their subject this year so that year 11 can prepare for the final exams.

Despite the Government announcing that exams are going ahead, we still have to have contingency measures in place which means we need to continue assessing students under exam conditions during the spring term and the start of the summer term. The spring assessments will start during week commencing 14th March and subjects have included information about what will be covered in this assessment in the booklet. A timetable will be issued closer to the time.

The most important things students can do now is to try their best in all lessons, complete all work to the best of their ability and attend revision sessions. We would like students to aim for three sessions per week, but two as a minimum.

In the back of this booklet is a revision timetable to help you plan your week.

Please let us know if you require any additional support.



English Language

What components am I studying this year?

Component 1: (40% of GCSE)

Section A: Reading (20%)

- 1 piece of fiction text to read (extract from 20th century) and 5 questions to answer

Section B: Writing (20%)

- 1 fiction writing task – narrative writing and students choose 1 option out of 4

(40 marks)

Component 2 = (60% of GCSE)

Section A Reading (30%):

- Two non-fiction texts to read, 6 questions to answer including 2 questions linking each text and 2 comparative questions (40 marks)

Section B: Writing (30%)

- Two non-fiction writing tasks (formal letter and magazine article). Answer both questions. (40 marks)

What changes have been made in the 2022 exam series?

(Pre-released)

For section A, text 1 is a 21st century text in the form of a newspaper article and text 2 is a 19th century extract from a non-fiction book.

For section B the 2 text types students are to write in, will be a formal letter and magazine article.

No pre-released information has been given for Component 1.

What will be included in the spring assessments?

Language Component 2 Section A and Section B



English Literature

What components am I studying this year?

Paper 1 = (40%)

Section A: Romeo & Juliet (20%)

- Two questions
- Closed book
- One extract question and 1 essay question exploring wider knowledge of play (40 marks)

Paper 2 = (60%)

Section A – Blood brothers (20%) - closed book

- One extended writing question analysing an extract and how it links to the rest of play (character, character relationships or theme) 40 marks

Section B – A Christmas Carol (20%) - closed book

- One question based on the extract that links to wider knowledge of play (character, character relationships or theme) (40 marks)

Section C (unseen poetry) – covered in December mock

What changes have been made in the 2022 exam series?

Students are not studying the poetry anthology from Paper 1, Section B.

What will be included in the spring assessments?

Blood Brothers.
A Christmas Carol.



Maths

What components am I studying this year?

Foundation and Higher both have 3 papers:

- Paper 1 – Non-Calculator
- Paper 2 – Calculator
- Paper 3 – Calculator

They are all 1 h 30 min and out of 80 marks

What changes have been made in the 2022 exam series?

Exam board have released a list of topics that will be assessed on each paper:
please see the following pages for content

What will be included in the spring assessments?

Students will sit:

- Paper 1 Non-Calculator, 1h 30min
- Paper 2 Calculator, 1h 30min

Higher papers will now include Functions and Vectors (but no Transforming Graphs)



Paper 1F – grouped by content area Number (*see Ratio – some overlap of topic areas)	
Arithmetic	Money
	Negative number
Fractions	Order fractions, decimals, percentages
	Fraction of an amount
	Fraction arithmetic
Properties	Place value
	Product of prime factors
Standard Form	Conversion
	Calculation
Approximation and Estimation	Estimation
Algebra	
Manipulation	Simplification
	Substitute values
Equations and inequalities	Linear inequality
	Quadratic equation
Graphs	Quadratic graph
Sequences	Linear sequence
Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)	
Conversion	Length
Percentages	Percentage of an amount
	Percentage increase
Ratio	Write as a ratio
	Share in a ratio
Proportion	Direct proportion
Measures	Speed
	Density
Geometry and measures	
Shape	Reflection
	Plan and elevation
Angles	Angles in a polygon
Length, area and volume	Volume of a cube
	Volume of a cylinder
Pythagoras's Theorem and Trigonometry	Exact trigonometric values
Probability	
Probability	Probability
	Frequency tree
Statistics	
Diagrams	Pictogram
	Bar chart
	Stem and leaf diagram

Paper 2F – grouped by content area Number (*see Ratio – some overlap of topic areas)	
Arithmetic	Money
	Negative number
Fractions	Fraction arithmetic
	Order fractions
Properties	Order integers
	Multiples
Approximation and Estimation	Rounding
	Error interval
Other	Straight line graph
Algebra	
Manipulation	Simplification
	Expansion of bracket
	Factorisation
	Laws of indices
Equations and inequalities	Linear simultaneous equations
Graphs	Coordinates
	Straight line graph
Functions	Number machines
Ratio, proportion and rates of change (*see Number – some overlap of topic areas)	
Conversions	Mass, time, area
	Scale drawing
Percentages	Decimal to percentage
	Percentage profit
	Depreciation
Ratio	Write as a ratio
	Use of ratio
Proportion	Direct proportion
	Currency conversion
Geometry and measures	
Shape	Polygons
	Circles
	Parallel and perpendicular lines
	Transformations
Angles	Angles in a triangle
	Vertically opposite angles
Length, area and volume	Area of a rectangle
Probability	
Probability	Tree diagram
	Combined events
Statistics	
Diagrams	Interpret graph
	Two-way table
	Frequency table
Measures	Mode
	Median
	Mean

Paper 3F – grouped by content area Number (*see Ratio – some overlap of topic areas)	
Arithmetic	Four operations
	Negative number
Fractions	Fraction of an amount
	One amount as a fraction of another
	Equivalent fractions
Properties	Factors
	Lowest Common Multiple
Powers and roots	Square root
Approximation and estimation	Rounding
Other	Calculator use
Algebra	
Manipulation	Simplification
	Expansion of bracket
	Factorisation
	Substitute values
	Change subject of a formula
	Forming an expression
Equations and inequalities	Linear equation
	Form an equation
Sequences	Linear sequence
Ratio, proportion and rates of change (*see Number – some overlap of topic areas)	
Conversions	Time
	Compound units
	Scale drawing
Percentages	Percentage to fraction
	One quantity as a percentage of another
	Percentage decrease
	Reverse percentage
Ratio	Write as a ratio
	1 : n form
Proportion	Direct proportion
Compound measures	Average speed

Geometry and measures	
Shape	Triangle properties
	Quadrilaterals
	Triangular prism
Angles	Angle properties of parallel lines
	Angles in a triangle
	Vertically opposite angles
	Bearings
Length, area and volume	Area of a triangle
	Area of a trapezium
Pythagoras's Theorem and Trigonometry	Pythagoras's Theorem
Probability	
Probability	Probability scale
	Probability
Statistics	

Diagrams	Frequency polygon
Measures	Median
	Range
Population	Comparison of distributions
Paper 1H – grouped by content area Number (*see Ratio – some overlap of topic areas)	
Fractions	Fraction of an amount
	Fraction arithmetic
	Recurring decimal to fraction
Properties	Product of prime factors
	Negative and fractional indices
Powers and roots	Simplification of surds
Standard Form	Conversion
	Calculation
Algebra	
Manipulation	Simplification
	Expansion of brackets
	Algebraic fractions
Equations and inequalities	Linear inequality
	Form an equation
	Quadratic equation
	Equation of a tangent to a circle
Graphs	Quadratic graph
	Speed-time graph
	Gradients of parallel and perpendicular lines
	Gradient of a curve
Ratio, proportion and rates of change (*see Number – some overlap of topic areas)	
Percentages	Percentage of an amount
Ratio	Write as a ratio
	Use of ratio
	Share in a ratio
	Ratio to fraction
Proportion	Equations of proportion
Compound Measures	Density
Geometry and measures	
Angles	Angles in a polygon
Length, area and volume	Area of a triangle
	Volume of a cube
	Surface area of a cuboid
	Area of a sector
Pythagoras's Theorem and Trigonometry	Pythagoras's Theorem
	Exact trigonometric values
Vectors	Vector geometry
Probability	
Probability	Probability
	Independent combined events
Statistics	
Diagrams	Cumulative frequency graph
Measures	Mean
	Inter-quartile range

Paper 2H – grouped by content area Number (*see Ratio – some overlap of topic areas)	
Approximation and estimation	Error interval
Other	Use of a calculator
Algebra	
Manipulation	Simplification
	Expansion of bracket
	Factorisation
	Laws of indices
Equations and inequalities	Linear equation
	Equations of parallel lines
	Form an equation
	Quadratic inequality
Graphs	Coordinates
	Transformations of functions
	Graphs of trigonometric functions
Functions	Inverse and composite functions
Ratio, proportion and rates of change (*see Number – some overlap of topic areas)	
Conversions	Area
Percentages	Depreciation
Ratio	Use of ratio
Proportion	Direct proportion
	Currency conversion
	Inverse proportion
Compound measures	Pressure
Geometry and measures	
Shape	Transformations
Angles	Circle theorems
Length, area and volume	Area of a rectangle
	Volume of composite solid
Pythagoras's Theorem and Trigonometry	Sine and Cosine Rules
Probability	
Probability	Venn diagram
	Probability from a Venn diagram
Statistics	
Diagrams	Box plot
Measures	Lower and upper quartiles
Populations	Compare distributions
	Capture-recapture method

Paper 3H – grouped by content area Number (*see Ratio – some overlap of topic areas)	
Arithmetic	Negative number
Properties	Laws of indices
Approximation and estimation	Bounds
Other	Product rule for counting
Algebra	
Manipulation	Simplification
	Expansion of bracket
	Substitute values
	Difference of two squares
	Expansion of brackets
	Change subject of a formula
	Forming an expression
	Algebraic fractions
Equations and inequalities	Set up and solve equation
	Simultaneous equations linear/quadratic
Graphs	Gradient of a straight line graph
Ratio, proportion and rates of change (*see Number – some overlap of topic areas)	
Conversions	Time
Percentages	Percentage decrease
	Depreciation
	Reverse percentage
Ratio	Write as a ratio
	1 : n form
	Share in a ratio
Proportion	Direct proportion
Compound Measures	Average speed
Growth and decay	General iterative processes
Geometry and measures	
Angles	Circle theorems
Length, area and volume	Area of a trapezium
	Similar triangles
Pythagoras's Theorem and Trigonometry	Pythagoras's Theorem
	Trigonometry
	Trigonometry in 3-D
Vectors	Column vectors
Probability	
Probability	Dependent combined events
Statistics	
Diagrams	Frequency polygon
	Histogram

Combined Biology – Paper 1 Foundation

What components am I studying this year?

Paper 1- 1hour 15 minutes

What changes have been made in the 2022 exam series?

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

What will be included in the spring assessments?

- 4.4.1 Photosynthesis- equation, rates of Photosynthesis, limiting factors
- Required practical activity 5: investigate the effect of light on the rate of photosynthesis of an aquatic plant such as pondweed.
- 4.2.2 Animal tissues, organs and organ systems
- Required practical activity 3: use qualitative reagents to test for a range of carbohydrates, lipids and proteins.
- Required practical activity 1: use of a light microscope.



Combined Biology – Paper 1 Higher

What components am I studying this year?

Paper 1- 1hour 15 minutes

What changes have been made in the 2022 exam series?

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

What will be included in the spring assessments?

- 4.4.1 Photosynthesis- equation, rates of Photosynthesis, limiting factors
- Required practical activity 5: investigate the effect of light on the rate of photosynthesis of an aquatic plant such as pondweed.
- 4.2.2 Animal tissues, organs and organ systems
- 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.



Combined Chemistry – Paper 1 Foundation

What components am I studying this year?

Paper 1- 1hour 15 minutes

What changes have been made in the 2022 exam series?

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
- 5.4.2 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

What will be included in the spring assessments?

- 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
- 5.4.2 Reactions of acids (Exothermic and Endothermic reactions)
- 5.4.3 Electrolysis
- 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: acid plus metals, acid plus carbonates, neutralisations, displacement of metals.



Combined Chemistry Paper 1 Higher

What components am I studying this year?

Paper 2- 1hour 15 minutes

What changes have been made in the 2022 exam series?

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 acid plus metals, acid plus carbonates, neutralisations, displacement of metals.

Topics not assessed in this paper:

- Not applicable

What will be included in the spring assessments?

- 5.1.2 The periodic table
- 5.2.2 How bonding and structure are related to the properties of substances
- 5.4.2 Reactions of acids
- 5.4.3 Electrolysis
- 5.5.1 Exothermic and endothermic reactions
- 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 acid plus metals, acid plus carbonates, neutralisations, displacement of metals.



Combined Physics Paper 1 Foundation

What components am I studying this year?

Paper 1- 1hour 15 minutes

What changes have been made in the 2022 exam series?

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

What will be included in the spring assessments?

- 6.4.2 Atoms and nuclear radiation
- 6.1.3 National and global energy resources
- 6.3.1 Changes of state and the particle model
- 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.



Combined Physics Paper 1 Higher

What components am I studying this year?

Paper 1- 1hour 15 minutes

What changes have been made in the 2022 exam series?

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

What will be included in the spring assessments?

- 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 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.



Triple Biology Paper 1 Foundation

What components am I studying this year?

Paper 1- 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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 • 4.3.1 Communicable diseases
- 4.4.1 Photosynthesis

Required practical activities that will be assessed:

- Required practical activity 1: how a light microscope is used 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.
- Required practical activity 6: investigate the effect of light intensity on the rate of photosynthesis using an aquatic organism such as pondweed.

Topics not assessed in this paper:

- 4.1.1.4 Cell differentiation
- 4.2.1 Principles of organisation
- 4.2.2.3 Blood
- 4.2.2.7 Cancer
- 4.3.1.5 Protist diseases
- 4.4.1.3 Uses of glucose from photosynthesis
- 4.4.2.1 Aerobic and anaerobic respiration
- 4.4.2.2 Response to exercise
- 4.4.2.3 Metabolism

What will be included in the spring assessments?

- 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.
- 4.1.1 Cell structure
- 4.1.3 Transport in cells
- Required practical activity 1: how a light microscope is used 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.



Triple Biology Paper 1 Higher

What components am I studying this year?

Paper 1- 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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

What will be included in the spring assessments?

- 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.
- 4.1.1 Cell structure
- 4.1.3 Transport in cells- Osmosis
- 4.2.2 Animal tissues, organs and organ systems
- Required practical activity 4: use qualitative reagents to test for a range of carbohydrates, lipids and proteins.
- 4.2.3 Plant tissues, organs and systems



Triple Chemistry Paper 1 Foundation

What components am I studying this year?

Paper 1- 1 hour 45 minutes

What changes have been made in the 2022 exam series?

For this paper, the following list shows the major focus of the content of the exam:

- 4.1.1 A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes
- 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
- 4.2.4 Bulk and surface properties of matter including nanoparticles
- 4.4.2 Reactions of acids
- 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 acid plus metals, acid plus carbonates, neutralisations, displacement of metals.

Topic not assessed in this paper:

- 4.5.2 Chemical cells and fuel cells

What will be included in the spring assessments?

- 4.1.1 A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes
- 4.2.1 Chemical bonds, ionic, covalent and metallic
- 4.2.2 How bonding and structure are related to the properties of substances
- 4.4.2 Reactions of acids
- 4.5.1 Exothermic and endothermic reactions
- 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 acid plus metals, acid plus carbonates, neutralisations, displacement of metals.



Triple Chemistry Paper 1 Higher

What components am I studying this year?

Paper 1- 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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 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

What will be included in the spring assessments?

- 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
- 4.3.2 Use of amount of substance in relation to masses of pure substances
- 4.4.3 Electrolysis
- 4.5.1 Exothermic and endothermic reactions
- 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 acid plus metals, acid plus carbonates, neutralisations, displacement of metals.



Triple Physics Paper 1 Foundation

What components am I studying this year?

Paper 1- 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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
- 4.2.1 Current, potential difference and resistance
- 4.2.5 Static electricity
- 4.3.1 Changes of state and the particle model
- 4.3.2 Internal energy and energy transfers
- 4.4.2 Atoms and nuclear radiation

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:

- 4.2.3 Domestic uses and safety
- 4.3.3 Particle model and pressure
- 4.4.1 Atoms and isotopes
- 4.4.4 Nuclear fission and fusion

What will be included in the spring assessments?

- 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
- 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.
- 4.3.1 Changes of state and the particle model
- 4.3.2 Internal energy and energy transfers



Triple Physics Paper 1 Higher

What components am I studying this year?

Paper 1- 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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

What will be included in the spring assessments?

- 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 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.



Combined Biology Paper 2 Foundation

What components am I studying this year?

Paper 2 – 1 hour 15 minutes

What changes have been made in the 2022 exam series?

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



Combined Biology Paper 2 Higher

What components am I studying this year?

Paper 2 – 1 hour 15 minutes

What changes have been made in the 2022 exam series?

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



Combined Chemistry Paper 2 Foundation

What components am I studying this year?

Paper 2 – 1 hour 15 minutes

What changes have been made in the 2022 exam series?

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 R_f values.

Topic not assessed in this paper:

- 5.9.2 Carbon dioxide and methane as greenhouse gases



Combined Chemistry Paper 2 Higher

What components am I studying this year?

Paper 2 – 1 hour 15 minutes

What changes have been made in the 2022 exam series?

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 R_f values.

Topic not assessed in this paper:

- 5.8.2 Identification of common gases



Combined Physics Paper 2 Foundation

What components am I studying this year?

Paper 2 – 1 hour 15 minutes

What changes have been made in the 2022 exam series?

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



Combined Physics Paper 2 Higher

What components am I studying this year?

Paper 2 – 1 hour 15 minutes

What changes have been made in the 2022 exam series?

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:

- 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



Triple Biology Paper 2 Foundation

What components am I studying this year?

Paper 2 – 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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
- 4.6.3 The development of understanding of genetics and evolution

Required practical activities that will be assessed:

- Required practical activity 7: carry out an investigation into human reaction times.
- 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:

- 4.5.2.2 The brain
- 4.5.2.3 The eye
- 4.5.3.3 Maintaining water and nitrogen balance in the body
- 4.6.1.3 Advantages and disadvantages of sexual and asexual reproduction
- 4.6.1.5 DNA structure
- 4.6.1.8 Sex determination
- 4.6.2 Variation and evolution
- 4.6.3.1 Theory of evolution
- 4.6.3.2 Speciation
- 4.6.3.3 The understanding of genetics
- 4.6.3.7 Resistant bacteria
- 4.7.1.4 Adaptations
- 4.7.2.2 How materials are cycled
- 4.7.2.3 Decomposition
- 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
- 4.7.4 Trophic levels in an ecosystem
- 4.7.5 Food production



Triple Biology Paper 2 Higher

What components am I studying this year?

Paper 2 – 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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



Triple Chemistry Paper 2 Foundation

What components am I studying this year?

Paper 2 – 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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
- 4.8.3 Identification of ions by chemical and spectroscopic means
- 4.9.1 The composition and evolution of the Earth's atmosphere
- 4.10.1 Using the Earth's resources and obtaining potable water
- 4.10.2 Life cycle assessment and recycling
- 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 6: investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate R_f values.
- 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.
- Required practical activity 8: analysis and purification of water samples from different sources, including pH, dissolved solids and distillation.

Topic not assessed in this paper:

- 4.8.2 Identification of common gases



Triple Chemistry Paper 2 Higher

What components am I studying this year?

Paper 2 – 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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



Triple Physics Paper 2 Foundation

What components am I studying this year?

Paper 2 – 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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
- 4.5.6.1 Describing motion along a line
- 4.6.1 Waves in air, fluids and solids
- 4.6.2 Electromagnetic waves
- 4.8.1 Solar system; stability of orbital motions; satellites

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
- 4.5.6.2 Forces, accelerations and Newton's Laws of motion
- 4.5.6.3 Forces and braking
- 4.6.3 Black body radiation
- 4.8.2 Red-shift



Triple Physics Paper 2 Higher

What components am I studying this year?

Paper 2 – 1 hour 45 minutes

What changes have been made in the 2022 exam series?

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



Geography

What components am I studying this year?

Paper 1. Living in the UK today.

Paper 2: The World around us.

Paper 3: Geographical skills and fieldwork.

What changes have been made in the 2022 exam series?

- Weighting of exams has changed slightly but unit 3 remains the largest at 36%. Time cut from one hour and 30 min paper to one hour and 15 mins.
- Requirement for students to undertake their own fieldwork has been removed but they will still answer questions about unseen fieldwork activities.
- One unit (out of 3) has been removed from paper 2 which is most of the environmental threats to our planet (theme 3)

What will be included in the spring assessments?

Paper 3:

Geographical skills and unseen fieldwork questions. This is the content that we are currently teaching and comprises a broad range of geographical skills including cartographic, graphical, numerical and some statistical work.

The second part of the paper ask questions about fieldwork enquiries including sampling, methodology, data presentation and analysis as well as drawing conclusions and evaluating results.



History

What components am I studying this year?

Paper 1: Thematic Study and Historical Environment (Medicine in Britain, 1250-Present AND The British Sector of the Western Front 1914-1918)

Paper 2: British Depth Study (Elizabethan England 1558-1588)

Paper 3: Modern Depth Study (Weimar and Nazi Germany 1918-1939)

What changes have been made in the 2022 exam series?

A unit has been removed from Paper 2 – they no longer have to sit the Period Depth Study – Superpower Relations and the Cold War 1941-1991

What will be included in the spring assessments?

In class we are using the mock performance to guide revision on Medicine, but have already completed two mock papers on this topic. In homework and through intervention (open to all) we have guided Weimar and Nazi Germany revision, so a paper will be set on this.



French, German & Spanish

What components am I studying this year?

Listening

F – 30 mins + 5 mins reading time

H – 40 mins + 5 mins reading time

Speaking

Role play, Picture Task and General Conversation

Assessment window: dates tbc between 18th April – 20th May

Reading

F – 45 mins

H – 1 hour

Writing

F – 1 hour 15 mins

H – 1 hour 20 mins

What changes have been made in the 2022 exam series?

- Any words not in spec vocab list will be glossed (all skills).
- Option of speaking endorsement like in 2021 if speaking exams can't go ahead.
- Theme 5 (International and global dimension) only now appears in Writing paper questions with pupil choice – students not forced to answer questions on this theme. Appears as normal in all other exams.
- Q2 on Writing Foundation now allows a choice of 2 tasks - 5 mins added to exam time (was previously 1 hour 10 mins).

What will be included in the spring assessments?

In all languages, content from Modules 1-8 (covering themes 1-5).

We should have finished/almost finished all course content by this point.



Religious Studies

What components am I studying this year?

Religion, Philosophy and Ethics: 1 hr 45

- Theme A – Relationships and Families
- Theme B – Religion and Life
- Theme D – Religion, Peace and Conflict
- Theme E – Religion, Crime and Punishment

The Study of Religions: 1hr 45 mins

- Christianity: Beliefs and Teachings
- Christianity: Practices
- Judaism: Beliefs and Teachings
- Judaism: Practices

What changes have been made in the 2022 exam series?

No changes for the Religion, Philosophy and Ethics paper.

Changes to the Study of Religions:

- Christianity: Beliefs and Teachings
- Christianity: Practices
- Judaism: Beliefs and Teachings
- Judaism: Practices

What will be included in the spring assessments?

Religion Philosophy and Ethics:

Theme E – Religion, Crime and Punishment:

- Capital Punishment
- Sanctity of Life
- Forgiveness

Theme D – Religion, Peace and Conflict:

- Holy War
- Just War Theory
- Weapons of Mass Destruction
- Pacifism

The Study of Religions:

Christianity – Beliefs and Teachings:

- The Nature of God
- Judaism Practices



Business Studies

What components am I studying this year?

Paper 1 Exam – 1 hour 30 minutes (Business activity, marketing and people)

Paper 2 Exam – 1 hour 30 minutes (Operations, finance and influences on business)

What changes have been made in the 2022 exam series? All units still included but some sub sections have been removed:

1.1 The role of business enterprise and entrepreneurship

- The purpose of business activity and enterprise
- The concept of risk and reward

1.2 Business planning

- The purpose of planning business activity

1.3 Business ownership

- The concept of limited liability
- The suitability of differing types of ownership in different business contexts

1.4 Business aims and objectives

- Why different businesses may have different objectives

1.5 Stakeholders in business

- The effect stakeholders have on business

2.1 The role of marketing

- The purpose of marketing within business

2.2 Market Research

- Secondary research sources

2.4 The marketing mix

- Promotion - point of sale
- Place - distribution of products and services
- How the four Ps of the marketing mix work together
- Interpretation of market data

3.2 Organisational structures and different ways of working

- Different organisational structures
- The terminology of organisation charts
- Ways of working

3.3 Communication in business

- Ways of communicating in a business context

3.4 Recruitment and selection

- The use of different recruitment methods to meet different business needs

3.5 Motivation and retention

- Non-financial methods of motivation
- The importance of employee retention

4.2 Quality of goods and services

- The concept of quality

4.3 The sales process and customer service

- The influence of e-commerce on business activity
- The importance to a business of good customer service including after-sales service

4.6 Working with suppliers

- The role of procurement

5.1 The role of the finance function

- The purpose of the finance function

5.2 Sources of finance

- The reasons businesses need finance
- How and why different sources of finance are suitable for new and established businesses

5.4 Break-even

- The concept of break-even

5.5 Cash and cash flow

- The importance of cash to a business
- The usefulness of cash flow forecasting to a business

7 The interdependent nature of business

- How these interdependencies underpin business decision making

What will be included in the spring assessments?

Paper 1 - Business activity, marketing and people

Paper 2 - Operations, finance and influences on business



Computer Science

What components am I studying this year?

Paper 1 Exam – 1 hour 30 minutes (Computer Systems)

Paper 2 Exam – 1 hour 30 minutes (Computational thinking, algorithms and programming)

What changes have been made in the 2022 exam series?

Paper 1 – Removal of the following content:

- 1.1.2 CPU Performance
- 1.1.3 Embedded Systems
- 1.4.1 Threats to computer systems
- 1.5 Systems Software

Paper 2 – No changes

What will be included in the spring assessments?

- Paper 1 - Computer Systems
- Paper 2 - Computational thinking, algorithms and programming



Design Technology

What components am I studying this year?

Coursework is 50% and exam is 50% (1 x 2 hour paper)

What changes have been made in the 2022 exam series?

Coursework changes:

Less marks for the Making (10 instead of 20) and Evaluation (15 instead of 20)

Focus will be on the following topics from AQA website:

- 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

What will be included in the spring assessments?

As student will be focusing on practical coursework this term, they will complete their spring assessment towards the end of the term.

Students will be assessed on:

- 3.2.3 Ecological and social footprint
- 3.3.2 Environmental, social and economic challenge

With a focus on evaluation skills – long answer questions



Drama

What components am I studying this year?

- Component 1 (40%) Devising performance. Ten minute performance and 2000 word portfolio.
- Component 2 (20%) Scripted performance exam-external examiner
- Component 3 (40%) Theatre Makers in Practice-written exam

What changes have been made in the 2022 exam series?

- Component 1-performance length required is slightly shorter
- Component 2-Only one extract needs to be performed as opposed to the usual two extracts
- Component 3-Pre-released exam extract for Section A (An Inspector Calls).

What will be included in the spring assessments?

As students are completing their performance exam, there will be classroom-based assessment work for the written paper, taking place in lessons at a later date.



Food Preparation & Nutrition (GCSE)

What components am I studying this year?

Coursework is 50% and exam is still 50% (1 x 1hr 45min paper)

What changes have been made in the 2022 exam series?

NEA1 is not going to be run – NEA2 makes up the full 50% of the final grade. The marks for each section stay the same. Pupils are only required to make three products for the demonstrated technical skills section (B) and make two products in a three hour window for the final practical.

The following topics will be included in the exam:

3.2.3.1 Making informed choices

- the current guidelines for a healthy diet
- portion size and costing when meal planning
- how people's nutritional needs change and how to plan a balanced diet for different life stages
- how to plan a balanced meal for specific dietary groups
- how to maintain a healthy body weight throughout life

3.2.3.4 Diet, nutrition and health

- the relationship between diet, nutrition and health
- major diet related health risks

3.3.2.2 Carbohydrates

- Gelatinisation
- Dextrinisation
- Caramelisation

3.4.2.1 Buying and storing food

- the food safety principles when buying and storing food
- the food safety principles when preparing, cooking and serving food
- To know and understand factors which may influence food choice
- environmental issues associated with food

3.6.2.1 Food production

- Primary and Secondary stages of processing and production
- how processing affects the sensory and nutritional properties of ingredients

What will be included in the spring assessments?

There will be no exam assessment in Spring, students will be focusing on coursework.



Hospitality & Catering (Level 1/2)

What components am I studying this year?

BTEC Level 1/2 Hospitality and Catering

Students are currently working on their non-exam assessment work which is worth 60% of their final grade, this is a combination of written and cooking work. Exam board changes for 2022 are that students are only required to cook 1 dish with accompaniments rather than 2 dishes with accompaniments. They will be completing these cooking assessments in school, date to be confirmed.

Students will be completing exam a paper in the summer which is worth 40% of their final grade. In the spring assessment students will be completing questions on assessment criteria LO5 Be able to propose a hospitality and catering provision to meet specific requirements and LO3 Understand how hospitality and catering provision meets health and safety requirements. The assessment will be 45 minutes in length.

Travel & Tourism (BTEC)

What components am I studying this year?

The BTEC Travel and Tourism students sat their UNIT 1 exam in January 2022. This is the only externally assessed unit. The results will be released towards the end of March and we hope that students will all be pleased with their results. There is an opportunity to retake the examination in Summer 2022 if required. All other unit of work are assessed in school and then moderated by a Standards Verifier from Pearson's exam board.



Music (BTEC)

What components am I studying this year?

During Year 10, students completed units of work on performing, composing and theory around the music industry. Students are now partway through completing their final unit of work which is based on the planning, recording, releasing and evaluation of their own CD.

As this is an internal unit, there is no exam to prepare for.

Performing Arts (BTEC)

What components am I studying this year?

Students have recently started working on their component 3, externally set unit which is titled 'Responding to a Brief'. Our students have been asked to create a performance, along with necessary research, planning, rehearsals and evaluation. The work created must be based on this year's given brief title of 'Better Together'.

In between rehearsals, students completed their first written exam 'initial ideas' on Friday 21st January. The next written exam 'skills log' is on Friday 18th February. The performance recording is on Thursday 7th April with the final written exam 'evaluation' on Friday 29th April.

iMedia (Cambridge Nationals)

What components am I studying this year?

During Year 10, students completed units of work on Creating Digital Graphics and Creating Multipage Websites. They also sat a mock for the examined part of the subject, which was used towards their Teacher Assessed Grade.

In Year 11, most students were re-entered for an exam resit and a resit of their assignment Creating Multipage websites. Only one resit is allowed in each unit. They are currently improving their Creating Digital Graphics assignment in preparation for a resit in May. Students are also working on a new assignment for Creating Digital Games, which will take them to the end of the school year.

Sports (Cambridge Nationals)

What components am I studying this year?

During Year 10, students completed a unit of work on sports leadership which enabled them to plan, deliver and evaluate a sports session. They have also been performing in individual and team sporting activities since the beginning of Year 10, the two strongest sports will be taken forward and will form part of their overall coursework grade.

The students sat their examination in January and we are currently awaiting their results. Students will have an attempt to improve their exam score in May. Due to the students currently working on an analysis of performance piece of coursework at the moment, there will be no exam to study for in this current assessment window.



PE (GCSE)

What components am I studying this year?

4 components;

- Component 1 - Fitness and body systems – external exam
- Component 2 – Health and Performance – external exam
- Component 3 – Practical performance – live moderation
- Component 4 – Personal Exercise Program – NEA

What changes have been made in the 2022 exam series?

The only change that has been made is that students are required to be assessed in two sports rather than 3.

What will be included in the spring assessments?

- Components 2 – Health and Performance exam
- Component 3 – Mock Practical Performance moderation day



Year 11 Revision Sessions

	Monday	Tuesday	Wednesday	Thursday	Friday
Biology		After school H tier - ZH S4	After school F Tier - CM/JH S4		
Chemistry		Lunchtime focused higher revision – RW in S2	Lunchtime focused foundation revision – LH/JH in S3		
Computer Science/ IT			GCSE Computer Science Year 10 and 11 IT KXW	Year 11 IT catch up sessions. I2 KXW	Intervention sessions for GCSE Business – students will be invited to attend.
Drama	GCSE Drama Drop in session Year 11 A3 Lunchtime				
English		3:15PM- 4PM -11Y/En1 E2 Miss Wills -11X/En1 E1 Mrs Taswar -11Y/En2 Revision Session in E3 Mrs Dyde -11X/En2 Revision Sessions in E5 J Moore	Revision session 11X/En3 Mrs McGhie/ Mrs Bowman- Dalton Revision session 11Y/En3 in E3 Mr Rushton	11Y/En2 Revision Session in E3 Mrs Dyde Lunch	
GCSE Food P&N	Week B - Year 11 GCSE FP&N intervention Lunch T3 EV		Year 11 GCSE FP&N intervention after school T3 EV	Week A - Year 11 GCSE FP&N intervention Lunch T3 EV	
Hospitality Catering			Year 11 H&C intervention after school T4 CC	Year 11 H&C intervention lunchtime T4 CC	
French		GCSE French Grammar After school - L3- Mme Tarby- Donald		GCSE French Grammar After school - L3- Mme Tarby-Donald	
Geography		GCSE Revision for Year 11			
German		GCSE German Conversation practice -JL BREAK L1 WEEK A ONLY			
History	History Health Clinic – Drop in lunchtime session open to all				Intervention sessions for GCSE History – students will be invited but all can attend.
Maths	Year 11 Higher GCSE Revision Lunch M6		Year 11 Higher GCSE Revision	Year 11 Higher GCSE Revision -	



Year 11 Revision Sessions

	Miss Wood		After School in M3 Miss Purser	After school in M4 – Mrs Smith Foundation revision After School M1 Ms Hatfield/ Mrs Croxton	
Music					BTEC Music Drop-in Year 10 and 11 A2 Lunchtime
PE (GCSE)				GCSE PE AXH- WEEK A (invite only-compulsory session). JLD- WEEK B (Challenge revision session) H1	
Photography & Art	Y11 Art Intervention Lunch A5 – GD Photography A6 – GS - Art	Year 11 intervention Photography I2 After school until 4pm GD	Year 11 Photography intervention Lunch I2 GD		
Physics	Lunch time F tier JSS/JH S1	After school H tier TF/BN S6			
Religious Studies					Year 11 – Christianity and Judaism - After School (H2). Starting after February Half Term (W/b 28/2).
Spanish	GCSE Spanish 'Aim for Success' Foundation Revision/ Catch up - VM LUNCH L1 WEEK A ONLY		Spanish Conversation VM Break L1 WEEK B ONLY INVITE ONLY GCSE Spanish 'Aiming Higher' Higher Revision /Catchup - VM LUNCH L1 WEEK B ONLY		
Sport (BTEC)	YEAR 11 SPORT Intervention lunchtime (JB) Wk A/B				
Technology		Year 11 intervention Lunch and After school until 4pm JGD	Year 11 intervention Lunch and After school until 4pm JGD	Year 11 intervention After school until 4pm JGD	



education is the
passport to the future
for tomorrow belongs to
those who prepare for it
today

