Year 10 Mock Examination Information
21/06/21—30/06/21

Subject	Assessment Information
Animal Care	This assessment will be a Unit 1 Animal Health Exam Paper. Students will be provided with revision cards and other materials to support their preparation.
Enterprise	This assessment will be a Component 3 Promotion and Finance for Enterprise paper, covering Learning Aim A and B. Students will be provided with revision cards and other materials to support their preparation.
Spanish	This assessment will cover the following topics: • House • Family/Relationships • Technology • Sport/Hobbies • Festivals • Food • Holidays • Healthy lives • Global Issues The revision of tenses, openers, opinions with reasons, sophisticated phrases etc. are also essential.
Geography	This assessment will be a Paper 1 exam, students will need to revise the following: • Natural Hazards • Tectonic Hazards • Weather Hazards (tropical storms and UK flooding) • Ecosystems • Tropical Rainforests • Cold Environments • Coasts • Rivers
RE	This assessment will be a previous GCSE exam paper, students will need to revise the following: **Christianity** • Beliefs (key words) • Origin of Sin • Examples of Worship • Reconciliation

	• Nature of God **Islam** • Beliefs (key words) • Articles of Faith • Festival of Idulfiler • Prayer – Gummah Prayer **Themes** • Relationships & Family • Gender Roles • Same Sex Marriage • Abuse of the Environment • Divorce
History	This assessment is Civil Right – Modern Depth Study USA • Little Rock High School • The significance of Martin Luther King • Bus Boycott • The Freedom Marches • Washington March • Civil Rights Act • Selma • Voting Rights Act
English Literature	English Literature Paper 1: Assessment on Blood Brothers – students will respond to a choice of question on either a character or theme. Students will need to focus on AO1 (reference to the text) and AO3 (connections to context) in their responses. Assessment Part A Macbeth – students will respond to an extract from the text and use their AO2 (Language, Structure, and Form analysis) skills to interpret the presentation of a key theme, idea or character. English Literature Paper 2: Assessment on Relationships Poetry – students will compare the presentation of a theme connected to Love and Relationships in a named poem from a collection of 15 poems in the Pearson Anthology. Assessment on Unseen Poetry – students will compare the presentation of a theme in two unseen poems. Students have access to revision materials on Teams.
Hospitality & Catering	This assessment will be a Unit 1: The Hospitality and Catering Industry paper. • LO1: Understand the environment in which hospitality and catering providers operate • LO2: Understand how hospitality and catering provision operates • LO3: Understand how hospitality and catering provision meets health and safety requirements • LO4: Know how food can cause ill health • LO5: Be able to propose a hospitality and catering provision to meet specific needs.

Engineering	This assessment will be a Unit 2 paper. • Converting between orthographic and isometric drawings. • Calculating area, volume, length. • Health and Safety practices. • Describing Engineering achievements. • Material properties • Material areas • CAD/CAM
Sports Science	This assessment will be on 'Reducing the risk of sports injuries' and cover the following; • Intrinsic Factors • Extrinsic Factors • Causes of poor posture • Posture • Psychological factors that influence the risk of injury (Motivation, aggression, arousal, anxiety) • Stages of warm ups and cool downs • Physical benefits of warm up and cool downs • Psychological benefits of warm ups and cool downs • Specific needs a coach must consider before leading a warm up/cool down • Acute and chronic injuries • Types, causes and treatment of injuries • SALTAPS • RICE • EAP (Emergency Action Plans) • Asthma, diabetes, epilepsy symptoms and how to treat/respond to them
Science (combined) – Foundation	**Biology** • Photosynthesis required practical • Photosynthesis • Diffusion • Osmosis • Active transport • Surface area: volume ratio • Gas exchange in the lungs • Microscopes • Transpiration • Magnification calculations • Malaria • The Heart and disease **Chemistry** • Reaction profile diagrams • Energy changes • Electrolysis

	• Making crystals practical • Periodic table • Atomic structure • Ions • Bonding • Reactivity series • Energy changes required practical **Physics** • Electricity • Power • Efficiency • Rutherford's Gold foil experiment • Changes of state • Particle model • Half life • Radioactivity • GPE • Latent heat • Specific heat capacity
Science (combined) – Higher	**Biology** • The heart and disease • Diffusion • Osmosis • Active transport • Food tests • Transpiration • Potometers • Pathogens and disease • Surface area: volume ratio • Magnification calculations • Light microscope required practical **Chemistry** • Reactivity series • Percentage mass • Energy changes required practical • Reaction profile diagrams • Bonding • Moles calculations • Electrolysis • Structures and bonding **Physics** • Electricity • Resistance • Specific heat capacity • Latent heat • Particle model • Renewable/non-renewable fuels • Radioactivity • Decay equations

	• Half life
Triple Science	**Biology** • Cells • Magnification Calculations • Malaria • Human Defence Responses • Photosynthesis RP • Factors affecting rates of Photosynthesis • Transpiration • Heart and problems with the heart • Diabetes • Circulatory System • Cancer • Enzymes • Clinical Trials **Chemistry** • Periodic Table • Acids and Alkalis • Titrations • Nanoparticles • Isotopes • Model of the atom • Covalent Bonding • Energy Changes and reaction profiles • Electrolysis • Reactivity Series • Relative Formula Mass and Moles • Endothermic and Exothermic Reactions RP **Physics** • Power Calculations • Efficiency • Insulators RP • Kinetic energy • Renewable and non renewable fuels • Density • Nuclear Decay Equations • Half Life • Mains Electricity • Gravitational Potential Energy • Thermal conductivity • Specific Heat Capacity • Latent Heat • Static Electricity • Charge Flow • Internal Energy • Particle Model
Computer Science	This assessment will be made up from past paper questions.

Topics that **could** appear on it will focus on Year 10 work but **might** also include Year 9 work too.

- System Architecture
- Memory
    - Memory
    - Storage
    - Data representation
- System Software
- System Security
- Wired and Wireless networks
- Programming techniques
- Programming Languages
- Logic

Mathematics – Foundation

Non Calculator

Topic	MW Clip
Indices	29/82
Rounding	32/90
Simplify Expressions	7
Solving Equations	135a
Fractions, Decimals, Percentages	85
Percentage of an Amount	87
Probability Scale	14
Money Calculations	22
Fractions	71/73/74
Money Calculations	22
Ratio	38,106
Patterns/Sequences	37
Probability	59
Estimation	91
Pie Chart	128a
Area	53,54,55,56
Substitution	95
Forming and Solving Equations	137
Area of a Circle	117
Inequalities	138,139
Percentage Increase/Decrease	108
Scatter Graphs	129
Product of Prime Factors	78
Calculations with Decimals	66
Pythagoras	150a
Parallel Lines	159
Vectors	174

Calculator

Topic	MW Clip
Simplify Algebra	7
Round to 1 significant figure	90

Topic	MW Clip
Bar Charts	15
Ordering Fractions	70
Tally Chart	15
Pictogram	16
Money Calculations	22b
Probability	59
Types of Number	81, 28
Angles around a point	45
Best Value	41
Conversion Graph	112
Using a Calculator	77
Transformations	48,49,50
Factorising Single Brackets	94
Standard Form	83
Loci	165
Relative Frequency	125
Fractions and Ratio	106,107
Plans and Elevations	51
Speed, Distance, Time	142
Similar Shapes	144
Compound Interest	164
Error Intervals	155
Solve Quadratics	157
nth term	103

Mathematics - Higher	**Non Calculator**	
	Topic	MW Clip
	Indices	29/82
	Rounding	32/90
	Simplify Expressions	7
	Solving Equations	135a
	Fractions, Decimals, Percentages	85
	Percentage of an Amount	87
	Probability Scale	14
	Money Calculations	22
	Fractions	71/73/74
	Money Calculations	22
	Ratio	38,106
	Patterns/Sequences	37
	Probability	59
	Estimation	91
	Pie Chart	128a
	Area	53,54,55,56
	Substitution	95
	Forming and Solving Equations	137
	Area of a Circle	117
	Inequalities	138,139
	Percentage Increase/Decrease	108
	Scatter Graphs	129

Product of Prime Factors	78
Calculations with Decimals	66
Pythagoras	150a
Parallel Lines	159
Vectors	174

Calculator

Topic	MW Clip
Relative Frequency	125
Compound Interest	164
Error Intervals	155
Cumulative Frequency	186
Transformations	182
Standard Form	83
Solving Equations Involving Fractions	135
Recurring Decimals	177, 189
Area of a Sector	167
Indices	82,154,188
Quadratic Nth Term	213
Venn Diagrams	127, 185
Simultaneous Equations	162
Ratio	106, 107
Interior Angles of Polygons	123
Trigonometry	168
Pythagoras	150
Compound Interest	164
Product Rule	69
Simplifying Algebraic Fractions	210a
Iteration	180
Bounds	206