Highfields School



Year 11 examination dates & topic breakdown.



GCSE Exam Timetable Summer 2020

Date	AM		PM		PM Start
	Computer Science Paper 1	1h 30m	Religious Studies Component 1	2h 00m	
Monday 11 May	Exam Board OCR - Spec J276		Exam Board WJEC Edugas - Spec C120P3		1:00 PM
	French (Listening)	F 35m H 45m	Biology Paper 1 - Triple Science F/H	1h 45m	
Tuesday 12 May	French (Reading)	F 1h 00m	Combined Science (Trilogy) F/H	1h 15m	1:15 PM
, ,	Exam Board WJEC Edugas - Spec C800PF/H	/ H 1h 15m	Exam Board AQA - Spec 8461 (Biology) / 8464 (Combined Sc	ience)	
	English Literature Paper 1	1h 45m	Physical Education Paper 1	1h 15m	
Wednesday 13 May	Exam Board AOA - Spec 8702	211 10111	Exam Board AOA - Spec 8582	2.1.2011	1:30 PM
	Chemistry Paper 1 - Triple Science F/H	1h 45m	Computer Science Paper 2	1h 30m	
Thursday 14 May	Combined Science (Trilogy) F/H	1h 15m	Exam Board OCB - Spec 1276	21100111	1:30 PM
	Evam Board AOA - Spec 8462 (Chemistry) / 8464 (Combine	d Science)	Exam board Ock - Spec 3270		
	Erench (Writing)	E 1h 15m	Physical Education Paper 2	1h 15m	
	Exam Board WIEC Educar Sport CROOPE/H	/ Li 1h 20m	Evam Board AOA Space 9593	10 1500	
Friday 15 May	Engineering Unit 2 (re sit)	/ 11 11 3011 1h 20m	Exam Board AQA - Spec 8582		1:30 PM
		11 3011			
	Exam Board WJEC - Spec 9790A1				
Date	AM		PM		PM Start
	Geography A Component 1	1h 30m	Drama	1h 45m	
	Exam Board WJEC Eduqas - Spec C111QS		Exam Board AQA - Spec 8261		
Monday 18 May			German (Listening)	F 35m H 45m	1:15 PM
			German (Reading)	F 1h 00m	
			Exam Board WJEC Edugas - Spec C820PF/H	/ H 1h 15m	
	Mathematics Paper 1 (Non-Calculator) F/H	1h 30m	Religious Studies Component 2		
Tuesday 19 May	Exam Board AOA - Spec 8300	11 5011	Exam Board WIEC Edugas - Spec C120P3	11100111	1:30 PM
	Spanish (Listening)	F 35m H 45m	Physics Paper 1 - Triple Science F/H	1h 45m	
Wednesday 20 May	Spanish (Reading)	F 1h 00m	Combined Science (Trilogy) F/H	1h 15m	1:15 PM
	Exam Board WIEC Edugas - Spec C810PE/H	/ H 1h 15m	Exam Board AOA - Spec 8463 (Physics) / 8464 (Combined Sc	ience)	_
	English Literature Paper 2	2h 15m	Business Paper 1	1h 45m	
Thursday 21 May	Exam Board AOA - Spec 8702	220	Exam Board AOA - Spec 8132	211 10111	1:00 PM
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	Religious Studies Component 3 Islam Ontion	1h 00m	Design & Technology	2h 00m	
Friday 22 May	Evam Board WIEC Educas - Spec C120P3	11 0011	Evam Board AOA 8552	211 00111	1:00 PM
	Exam board will ludgas - spec cizor 5				
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Date	AM		PM		PM Start
	History Paper 1 Medicine in Britain	1h 15m	Biology Paper 2 - Triple Science F/H	1h 45m	
Monday 1 June	Exam Board Pearson - Spec 1HIO option EJ		Combined Science (Trilogy) F/H	1h 15m	1:15 PM
			Exam Board AQA - Spec 8461 (Biology) / 8464 (Combined Sc	ience)	
	English Language Paper 1	1h 45m	Business Paper 2	1h 45m	
Tuesday 2 June	Exam Board AQA - Spec 8700		Exam Board AQA - Spec 8132		1:00 PM
	Geography A Component 2	1h 30 m	Spanish Component 4 (Writing)	F 1h 15m	
Wednesday 3 June	Exam Board WJEC Eduqas - Spec C111QS		Exam Board WJEC Eduqas - Spec C810PF/H	/ H 1h 30m	1:15 PM
	Mathematics Paper 2 (Calculator) F/H	1h 30m	History Paper 2 The American West/Saxons	1h 45m	
Thursday 4 June	Exam Board AQA - Spec 8300		Exam Board Pearson - Spec 1HIO Option EJ		1:00 PM
	English Language Paper 2	1h 45m	German Component 4 (Writing)	F 1h 15m	
Friday 5 June	Exam Board AQA - Spec 8700		Exam Board WJEC Eduqas - Spec C820PF/H	/ H 1h 30m	1:00 PM
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Date	AM		PM		PM Start
	Mathematics Paper 3 (Calculator) F/H	1h 30m			
Monday 8 June	Exam Board AQA - Spec 8300				
	History Paper 3 Russia	1h 20m	Music (in MU1/D5)	1h 30m	Music
	Exam Board Pearson - Spec 1HIO Option EJ		Exam Board AQA - Spec 8271		1:00 PM,
Tuesday 9 June			Film Studies Component 1	1h 30m	Film /
			Exam Board WJEC Eduqas - Spec C670	41.45.	Food 1:15
			Food Preparation and Nutrition Component 1	1n 45m	PM
	Chamistry Paper 2 Triple Science E/H	1h /15m	Exam Board WJEC Eduqas - Spec C560P1		
Wednesday 10 June	Combined Science (Trilogy) E/H	111 45111 1h 15m			
Wednesday 10 suite	Evam Board AOA - Spec 8462 (Chemistry) / 8464 (Combined Science)	111 1.5111			
	Geography A Component 3	1h 30m	Dance	1h 30m	
Thursday 11 June	Exam Board WJEC Educas - Spec C111QS	2	Exam Board AQA - Spec 8236	2.1.00111	1:00 PM
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	Physics Paper 2 - Triple Science F/H	1h 45m	Film Studies Component 2	1h 30m	
Friday 12 June	Combined Science (Trilogy) F/H	1h 15m	Exam Board WJEC Eduqas Spec C670		1:30 PM
	Exam Board AQA - Spec 8463 (Physics) / 8464 (Combined Science)				
Date	AM		РМ		PM Start
			Further Mathematics Paper 1 (Non-Calculator)	1h 45m	
Monday 15 June			Exam Board AOA - Spec 8365		1:30 PM
Tuesday 16 June					
Wednesday 17 June					
Thursdoy 19 Juno	Further Mathematics Paper 2 (Calculator)	1h 45m			
Inursday 18 June	Exam Board AQA - Spec 8365				
Friday 19 June					
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Date	AM		PM		PM Start
Dute					r wi Start
Monday 22 June					
T					
Tuesday 23 June					
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Madaaaday 24 km	EXAM CONTINGENCY DAY (set by exam boards) - all stu	Judents mus	at ensure that they are available to sit exams up to and inclu	iaing this	
weanesaay 24 June	uale, in case national or local disruption during the june 2020 examination series means that one or more exams needs to be			o be	
		reall	angeu.		

Students must check these dates and times against their statements of entry when they receive them.

The Exams Office will inform any students with exam clashes, of the individual arrangements for sitting each exam.

Although this timetable is currently accurate, the exam boards may make slight changes to the exam dates/times. Students will be informed of any changes.

All morning exams start at 8:50 AM.

Afternoon exam start times vary between 1:00 PM / 1:15 PM / 1:30 PM depending on the length of the exams in each session. PROVISIONAL start times are given above, however these may change if required for exam arrangements. Students must check the coffee bar notice board daily for line up times.

Please do not arrange holidays during this critical period.





Biology	Paper 1 – Tuesday 12 May	Paper 2 – Monday 1 June
	 Cells (Cell Structure, Cell division, Cell transport) Organisation (Animal tissues and organ systems, Plant tissues and organ systems) Infection and response (Communicable diseases, Monoclonal antibodies and Plant diseases) Bioenergetics (Photosynthesis and Respiration) (bold not for Combined Science) 	 5 - Homeostasis (Homeostasis, The nervous system, Hormones, Plant hormones) 6 - Inheritance (Reproduction, Variation, Evolution, Classification) 7 - Ecology (Adaptations, Ecosystems, Biodiversity, Trophic levels, Food production) (bold not for Combined Science)







Chemistry	Paper 1 – Thursday 14 May	Paper 2 – Wednesday 10 June
	 Atomic structure and the periodic table Bonding, structure and the properties of materials Quantitative chemistry Chemical changes Energy changes 	 6. The rate and extent of chemical changes 7. Organic chemistry 8. Chemical analysis 9. Chemistry of the atmosphere 10. Using resources.
Computer Science	 (Paper 1) Monday 11 May Computer systems Systems Architecture Memory Storage Wired and wireless networks Network topologies, protocols and layers System security System software Ethical, legal, cultural and environmental concerns 	 (Paper 2) Thursday 14 May Computational thinking, algorithms and programming Algorithms Programming techniques Producing robust programs Computational logic Translators and facilities of languages Data representation

Dance	Thursday 11 June
	6 set works - Dance appreciation
	RADS Vocab
	Costume/Setting/Lighting etc

Design and Technology	Friday 22 May DT students need to revise the following from a combination of text book, book notes and all resources on SMHW:
	 Approaches to designing Designing Products Energy and Mechanisms Materials and their properties Tools, equipment and processes New and emerging technologies
	In each topic area, there are sub-topics to be revised
	They must use the PowerPoints on SMHW to revise their material specialism: Timber There are also practice questions in the textbook and all available papers are on SMHW.







Drama	Monday 18 May:
	Blood Brothers Live Theatre Review Roles in Theatre Staging types

Engineering	<u>Unit 3 (re-sit) – Friday 15 May</u>
	 Describe recent engineering developments, Engineering, Technologies, Materials Explain effects of engineering achievements, In the home, in industry, In society
	 Explain how environmental issues affect engineering processes and engineering products, Use, Disposal, Recycling, Materials development, Engineering processes, Costs, Transportation, Sustainability Describe properties of materials required for the following engineered products, Structural (buildings, bridges etc), Mechanical (gearbox, crane, bicycle etc.), Electronic (mobile phone, communication, storage etc.). Properties: Tensile strength, hardness, toughness, malleability, ductility, conductivity, corrosive resistance, environmental degradation, elasticity. Explain common testing of materials properties, Destructive tests, Non- destructive tests Select materials for a purpose, Ferrous, Non-Ferrous, Thermoplastic, Thermosetting plastic, Smart materials, Composites Describe engineering processes, Marking out, Cutting, Finishing, Drilling, Turning, Brazing, Filing, Soldering, Joining (permanent and temporary) Describe applications for engineering processes, Material removal, Shaping and manipulation, Joining and assembly, Heat treatment and chemical treatment
	 Use mathematical techniques for solving engineering problems, Use of formula (Ohms law, Efficiency), Calculating areas and volumes of geometric shapes, Measuring, Estimation, Mean, Units of measure (Metric measurements, Pounds/pence) Convert between isometric sketches and orthographic projections, Section views, Construction lines, Centre lines, Hidden detail, Standard conventions (3rd angle projection scene)
	 Analyse situations for engineering problems, Filter information given, Synthesise information, Identify salient points and requirements (specification) Propose solutions to engineering problems, Communication (ideas), Logical structure





English Language	Paper 1 Tuesday 2 June (modern fiction) Analysing a writer's use of language (methods) Q2 Exploring a writer's use of structure (structural features) Q3 Evaluating a text in terms of a statement (methods) Q4 Descriptive writing Q5	Paper 2 Friday 5 June (modern and pre 1900 non-fiction) Summarising the differences between two texts Q2 Analysing a writer's use of language (methods) Q3Comparing writers' perspectives Q4 Opinion writing Q5
	Narrative writing Q5	Other topics to revise (all available on the revision document in all users) Subways sentences Methods Vocabulary Spelling lists Variety of punctuation

English	Paper 1 – Wednesday 13 May	Paper 2 – Thursday 21 May
Literature	Romeo & Juliet	An Inspector Calls
	Main characters	Main characters
	Themes	Themes
	Contexts	Contexts
	Quotations	Quotations
	A Christmas Carol	Power and Conflict poetry
	Main characters	5-6 key poems
	Themes	Quotations / annotations
	Contexts	Contexts
	Quotations	Unseen poetry
		PEAR sheet to practise responses

Film Studies	Component 1 – Tuesday 9 June	Component 2 – Friday 12 June
	Singin' in the Rain	Song of the Sea & Narrative
	Grease	Wadjda & Representation
	The Hurt Locker	Attack the Block & Aesthetics
	& Film History Timeline	

 Principles of nutrition Diet and good health The science of cooking food Food spoilage Food provenance and Food waste Cultures and cuisines Technological developments Eactors affecting food choice 	Food and Nutrition	Tuesday 9 JuneSection 1: Core Knowledge• Principles of nutrition• Diet and good health• The science of cooking food• Food spoilage• Food provenance and Food waste• Cultures and cuisines• Technological developments• Factors affecting food choice	 Section 2: Basic Mixtures & Recipes Section 3: Food Commodities Cereals Fruit and Vegetables Milk, Cheese & Yoghurt Meat, Poultry, Fish & Eggs Beans, Nuts & Seeds, Spya, Tofu & Mycoprotein Butter, Oil, Margarine, Sugar & Syrup
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French	Listening/ Reading – Tuesday 12 May						
	Writing – Friday 15 May						
	Youth Culture – self & relationships, technology and social media						
	 Lifestyle- health and fitne 	ss, entertainment and leisure					
	 Customs and Traditions – 	food and drink, festivals and	traditions				
	 Home and Locality – local 	l areas of interest, transport					
	France and French speaking countries – local and regional features and						
	characteristics, holidays and tourism						
	Global sustainability – environment, social issues						
	Current study – School/ college life, School/ college studies						
	World of Work – work experience and part-time jobs, skills and personal qualities						
	 Jobs and future plans – applying for work/ study, career plans 						
Geography	Component 1-	Component 2 –	Component 3 –				
	Monday 18 May	Wednesday 3 June	Thursday 11 June				

	Monday 18 May	Wednesday 3 June	Thursday 11 June
	Distinctive Landscapes;	Weather, climate and	Qualitative fieldwork,
	Rural-urban links; Tectonics	ecosystems, Development and resource issues, Social development	Sustainability fieldwork and DME
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History	Paper 1 –	Paper 2 –	Paper 3 –
	Monday 1st June	Thursday 4 June	Tuesday 8 June
	Medicine in Britain c1250- present and the British sector of the Western Front, 1914-1918: injuries, treatment and the trenches.	The American West, c1835- c1895 AND Anglo-Saxon and Norman England, c1060-88.	Russia and the Soviet Union, 1917-41.

Maths	Paper 1 –	Paper 2 –	Paper 3 –
	Tuesday 19 May	Thursday 4 June	Monday 8 June
	Non- calculator	Calculator	Calculator
	See at end of document for	See at end of document for	See at end of document for
	topics	topics	topics

Music	Tuesday 9 June
	Section A - Unfamiliar listening
	Section B - Contextural understanding
	1) Haydn's Clock Symphony movement 2
	2) 3 tracks from Sqt. Pepper's Lonely Hearts Club Band (Beatles)





PE	Paper 1 – Wednesday 13 May	Paper 2 – Friday 15 May
	Health and Fitness	Sport Psychology
	Components of Fitness	Skill and Ability
	Fitness Testing	Goals and Targets
	The Principles of Training	Information Processing
	Training Thresholds	Guidance and feedback on performance
	Types of Training	Arousal
	Preventing Injury	Aggression
	Training Seasons	Personality Types
	Warming up and cooling down	Motivation
	The structure and functions of the	Socio-cultural influences
	skeleton	Social groups and factors affecting
	The structure and function of the	participation
	muscular system	The commercialism of physical activity and
	The structure and function of the cardio-	sport
	respiratory system	The impact of technology on physical
	Aerobic and anaerobic exercise	activity and sport
	The effects of exercise	Ethical conduct by performers
	Types of levers	Spectator Behaviour
	Basic Movements	Health, fitness and well-being
	Planes of movement and axes of rotation	Physical, emotional & social well-being
		&fitness
		The consequences of a sedentary lifestyles
		Somatotypes
		Energy use
		A balanced diet
		Maintaining water balance

PRS	Component 1 – Monday 11 May Relationships, Life and Death, Good and Evil and Human rights.	Component 2 – Tuesday 19 May Christianity Beliefs and teachings and Key Practices	Component 3 – Friday 22 May Islam Beliefs and teachings and Key Practices.
	All students have revision guides and task booklets for each exam. There are also lots of quizzes on show my homework. There is also a digital copy of all revision guides and task booklets on show my homework		



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Physics	 Paper 1 – Wednesday 20 May Energy Electricity Particle model of matter Atomic structure 	 Paper 2 – Friday 12 June 5. Forces 6. Waves 7. Magnetism and Electromagnetism 8. Space Physics (triple only)
Spanish	 Listening/ Reading – Wednesday 20 Writing – Wednesday 3 June Youth Culture – self & relationships, Lifestyle- health and fitness, entertai Customs and Traditions – food and c Home and Locality – local areas of ir Spain and Spanish speaking countrie characteristics, holidays and tourism Global sustainability – environment, Current study – School/ college life 	0 May technology and social media inment and leisure drink, festivals and traditions nterest, transport es – local and regional features and social issues School/ college studies

- World of Work work experience and part-time jobs, skills and personal qualities
- Jobs and future plans applying for work/ study, career plans







GCSE Maths - Foundation Topics

•	Prime numbers	•	Factorising quadratics	•	Properties of quadrilaterals
•	Square numbers	•	Forming equations	•	Nets, plans and elevations
•	Cube numbers	•	Solving equations	•	Edges, vertices and faces of solids
•	Fractions, decimals, percentages - convert between	•	Changing the subject	•	Congruent triangles
•	Fractions - add and subtract	•	Solving quadratics (factorising)	•	Volume of a cuboid
•	Fractions - multiply	•	Drawing straight line graphs	•	Volume of a cylinder
•	Fractions - divide	•	Finding the equation of a straight line	•	Volume of a prism
•	Fraction of an amount	•	Finding the equation of a straight line	•	Surface area of a cuboid
•	Percentage of an amount	•	Parallel lines	•	Surface area of a cylinder
•	Percentage increase and decrease	•	Simultaneous equations	•	Surface area of any prism
•	Order decimals and fractions	•	Substitution	•	Constructions
•	Square roots and cube roots	•	Finding nth term	•	Loci
•	Reverse percentages	•	Generating sequences	•	Lines of symmetry
•	Compound interest	•	Scale drawings	•	Rotational symmetry
•	Bank statements	•	Real life graphs	•	Reflections
•	Standard form	•	Converting between metric units	•	Rotation
•	Upper and lower bounds	•	Speed/distance/time	•	Translation inc vectors
•	Ratio	•	Density/mass/volume	•	Enlargement
•	Direct and inverse proportion	•	Types of angle	•	Pythagoras theorem
•	Rounding - decimal places	•	Angles - right angle, straight line, at a point	•	Trigonometry - sides and angles
•	Rounding - significant figures	•	Angles in a triangle	•	Trigonometry - exact values
•	Estimating	•	Angles in parallel lines	•	Bar charts
•	Factors	•	Angles in polygons	•	Pie charts
•	Multiples	•	Exterior and interior angles	•	Scatter graphs
•	Prime factors	•	Bearings	•	Correlation -line of best fit
•	LCM and HCF	•	Area of a rectangle	•	Basic probability
•	Best buy problems	•	Area of a triangle	•	Listing outcomes
•	BIDMAS	•	Area of a trapezium	•	Probability tree diagrams
•	Laws of indices	•	Perimeter	•	Sample space diagrams
•	Collecting like terms	•	Circumference of a circle	•	Venn diagrams
•	Expanding single brackets	•	Area of a circle	•	Averages and range
•	Expanding 2 brackets	•	Parts of a circle	•	Mean from a table
•	Factorising single bracket	•	Types of triangles	•	







GCSE Maths - Higher Topics

N1 Order numbers	A1 Basic notation	R1 Units
• N2 Add, subtract, multiply,	A2 Substitution	• R2 Scale
divide		
N3 Operations	A3 Algebraic terms	R3 Finding a fraction
N4 Factors, multiples and	A4 Manipulate algebra	R4 Simple ratios
primes		
N5 Listing and counting	A5 Formulae	R5 Using ratios
N6 Powers and roots	A6 Expressions	R6 Writing as a ratio
N7 Powers and roots and	A7 Functions	R7 Proportion
fractional indices		
N8 Exact calculations	A8 Graphs	R8 Ratio and fractions
N9 Standard form	A9 Straight line graphs	R9 Percentages
N10 Fractions and decimals	A10 Gradients and	R10 Proportion
	intercepts	
N11 Fractions and ratios	A11 Key features of graphs	R11 Compound units
N12 Fractions and	A12 Other graphs	R12 Comparisons
percentages		
N13 Units of measurement	A13 Transformations of	R13 Direct and inverse
	graphs	proportion
N14Estimation	A14 Real life graphs	 R14 Graphs and proportion
N15 Rounding	 A15 Distance-time graphs and speed-time graphs 	R15 Graphs and proportion
• N16	A16 Graph of a circle	R16 Growth and decay
S1 Sample populations	A17 Linear equations	P1 Basic probability
S2 Graphs and diagrams	A18 Ouadratic equations	• P2 Random, fair and equally
		likely events
S3 Grouped data	A19 Simultaneous equations	P3 Relative frequency
S4 Measures of data	A20 Iteration	P4 Exhaustive outcomes
• S5 Describing a population	A21 Creating expressions	• P5 Experimental probability
	and equations	
S6 Scatter graphs	A22 Inequalities	P6 Diagrams
	A23 Sequences	P7 Sample spaces
	A24 Sequences	P8 Probability trees
	A25 Nth term of a sequence	P9 Conditional probabilities

G1	G6 Applying angle	G11 Geometry on	G16 Area and	G21 Exact values
Understanding	facts and other	a grid	volume	of sin, cos and tan
terms	properties			
G2 Constructions	G7	G12 Solid shapes	G17 Circles and	G22 Sine and
	Transformations		other shapes	cosine rules
G3 Basic angle	G8 Combinations	G13 Plans and	G18 Sectors and	G23 Area of a
facts	of transformations	elevations	arcs	triangle using sin
G4 Triangles,	G9 The circle	G14 Units of	G19 Congruence	G24 Vectors for
quadrilaterals		measure	and similarity	translations
and other				
polygons				
G5 Congruent	G10 Circle	G15 Maps and	G20	G25 Using vectors
triangles	theorems	scale drawings		

