Year 11 Revision Lists – 2026 exams

Contents

Mock exam content is shaded in grey

English Language (AQA GCSE)

		Small Steps	Resources / links
1	English Language - Paper 1 Reading carefully - Q1	1. Read a practice text and check your knowledge of key words 2. Complete a 'list 4 things' question 3. Repeat these steps with various fiction texts	Practice texts are in class or on Showbie
2	English Language Paper 1 Q2 & Q4	1. Use the 'Paper 1 reminders' sheet or a practice paper to remind yourself of the steps for each question 2. Revise key language techniques (SPOAM) 3. Read a practice text and label any language techniques 4. Practice writing an answer in the time frame (10 mins for Q2 & 20 mins for Q4) 5. Bring your responses in to your teacher to check	Practice texts are in class or on Showbie https://www.bbc.co.uk/bitesize/guides/z839dmn/revision/1
3	English Language Paper 1 Q3	1. Use the paper 1 reminders sheet or a practice paper to remind yourself of the question 2. Revise structural techniques (exposition etc, foreshadowing, focus, shift) 3. Use a practice question to spot structural techniques; you can also do this with films 4. Practice completing a response in the time (10 mins) 5. Bring this in for your teacher to check	Practice texts are in class or on Showbie
4	English Language Paper 1 Section B - techniques & punctuation	1. Recap expectations for question 5 paper 1 2. Learn drop, shift, zoom, link 3. Create some similes, metaphors etc. for your story 4. Use the worksheets or bitesize to recap punctuation 5. Practice writing sentences with difficult punctuation	Practice texts are in class or on Showbie https://www.bbc.co.uk/bitesize/guides/zc2sv4j/revision/1
5	English Language Paper 1 Section B - paragraphs and sentences	1. Revise how to use paragraphs 2. Revise the different sentence types 3. Practice writing a response in the time (45 mins) 4. Bring this in for your teacher to check	Practice texts are in class or on Showbie https://www.bbc.co.uk/bitesize/guides/z839dmn/revision/1
6	English Language - Paper 2 Reading carefully - Q1	1. Read a practice text and check your knowledge of key words 2. Complete a 'list 4 things' question 3. Repeat these steps with various non-fiction texts	Practice texts are in class or on Showbie https://www.bbc.co.uk/bitesize/guides/zxsck7h/revision/1
7	English Language Paper 2 Q3	1. Use your paper 2 reminders sheet or a practice paper to remind you of this question 2. Check you know what 'language' means and how to structure this question 3. Revise DAFOREST techniques and practice spotting them 4 Practice a response in the time limit (12 - 15 mins) 5. Bring this in for your teacher to check	Practice texts are in class or on Showbie https://www.bbc.co.uk/bitesize/guides/zq6vg82/revision/1

8	English Language Paper 2 Q2 & 4	1. Use your paper 2 reminders sheet or a practice paper to remind you of this question 2. Check you know what 'summary' means and how to structure this question 3. Check you can identify the writer's viewpoint and complete a plan for Q4 4. Practice a response in the time limit (10 mins for Q2 & 15 mins for Q4) 5. Bring this in for your teacher to check	Practice texts are in class or on Showbie https://www.bbc.co.uk/bitesize/guides/zsgw7hv/revision/1
9	English Language Paper 2 Section B - techniques	1. Recap expectations for question 5 paper 2 2. Plan a response with 3 clear responses 3. Create some DAFOREST for your article 4. Practice writing a response in the time (45 mins) 5. Bring this in for your teacher to check	Practice texts are in class or on Showbie

English Literature (AQA GCSE)

		Small Steps	Resources links
1	An Inspector Calls – Plot & Context	1. Ensure you understand the plot/events of AIC 2. Create mind maps for the context elements including political ideology, class system and the wars 3. Revise a brief biography of J Priestley	https://www.youtube.com/watch?v=qsREsyQUjDk
2	An Inspector Calls - Characters: Mr & Mrs Birling	1. Revise the role of Mr Birling 2. Learn key quotes for Mr Birling 3. Explain how & why Birling is used as a dramatic device 4. Revise the role/events linked to Mrs Birling 5. Learn key quotes for Mrs Birling 6. Explain what Mrs Birling represents & why	https://www.youtube.com/watch?v=KvhiaECGjTY
3	An Inspector Calls - Characters: Sheila, Gerald & Eric	1. Revise the role of Sheila 2. Revise key quotes for Sheila 3. Explain how/why Sheila changes 4. Revise the role of Gerald 5. Learn key quotes for Gerald 6. Revisit your Gerald essay 7. Revise the role of Eric 8. Learn key quotes for Eric 9, Explain what Eric represents and why	https://www.youtube.com/watch?v=8TdZtpuDB_Q
4	An Inspector Calls - Characters: Inspector Goole	1. Revise the role of the Inspector - including alternative 2. Learn key quotes for the Inspector 3. Explain the Inspector's message/aim and link to the writer	
5	An Inspector Calls - Themes	1. Create a mind map for the themes in the play including: class, gender, responsibility, generations 2. Link each theme to a character 3. Learn quotes to go with each theme	- Find practice exam questions either in class or as a flexible task on SMHW
6	Jekyll and Hyde - Context & Plot	1. Ensure you understand the plot/events of J&H 2. Create a mind map for the context of the text focusing on: duality, evolution and identity 3. Explain Darwinism and Freud's psychological theory 4. Create a brief biography for Stevenson	https://www.youtube.com/watch?v=AVZv6TJ7ZUA
7	Jekyll and Hyde - Character: Utterson, Enfield, Lanyon	1. Revise the role of Utterson 2. Learn key quotes for Utterson 3. Explain what he represents and why he is the narrator 4. Revise the role of Lanyon 5. Learn key quotes for Lanyon	

		6. Explain what Lanyon represents and why he is in the story 7. Explain who Enfield is and why he is important	
8	Jekyll and Hyde - Character: Jekyll & Hyde	1. Ensure you know Jekyll and Hyde are THE SAME PERSON. 2. Create a timeline of events for Jekyll and Hyde 3. Explain why Jekyll becomes Hyde 4. Create a character profile for each one 5. Explain why Jekyll kills himself at the end of the story	https://www.youtube.com/watch?v=B1mbiTolYZ8
9	Jekyll and Hyde - Themes	1. Create a mind map for the key themes including: duality, religion/science, moral responsibility, good vs evil 2. Learn quotes for each theme	- Find practice exam questions either in class or as a flexible task on SMHW
10	Macbeth - Context & Plot	1. Ensure you understand the plot/events in Macbeth 2, Create a timeline for what happens in each act 3. Explain the context of the play focusing on: James I, witches, gender and power	
11	Macbeth - Character: Macbeth & L Macbeth, Witches, Banquo	1. Revise the role of Macbeth 2. Learn key quotes for Macbeth 3. Explain what he teaches the audience 4. Revise the role of Lady Macbeth 5. Learn key quotes for Lady Macbeth 6. Explain what she represents	https://www.youtube.com/watch?v=NmMAO82R8Cg
12	Macbeth - Character: Macduff, L Macduff & Malcolm	1. Revise the roles of the Macduff's 2. Learn key quotes for them 3. Explain how they are foils and why 4. Revise the role of Malcolm 5. Learn key quotes for Malcolm 6. Explain what Malcolm shows about kingship and why	
13	Macbeth - Themes	1. Create a mind map for the key themes including: supernatural, gender, power/violence, kingship 2. Link each theme to a character 3. Learn quotes to go with each theme	- Find practice exam questions either in class or as a flexible task on SMHW
14	Power & Conflict Poetry	1.Revise the 'Big 6' - 2 war poems: Remains & Charge of the Light Bridge; 2 x nature peoms: Storm on the Island & The Prelude; 2 x identity poems: Emigree and Checking out me History 2. Create a mind map for each one. Learn 3 quotes for each poem. 3. Ensure you can explain which poem links with each one as this is a comparison question.	Comparison skills: https://www.bbc.co.uk/bitesize/guides/zwh6xsg/revision/5 Revision videos such as Mr Bruff. For example: https://www.youtube.com/watch?v=vmUCX-dSb9E
15	Unseen Poetry	1. Revise the MATE steps 2. Revise poetic techniques including: enjambment, caesura, stanza, repetition, extended metaphor 3. Use the poems to practice annotating and understanding unseen poems	- Find practice exam questions either in class or as a flexible task on SMHW

Maths Higher (AQA GCSE)

		Small Steps	Sparx Independent Learning Code	Building blocks
1	Surds	Calculating with surds	Multiplying and dividing surds U633	Calculating with roots and powers U851
			Simplifying surds U338	Simplifying expressions by collecting like terms U105
			Adding and subtracting surds U872	Expanding single brackets U179
			Expanding brackets with surds U499	Expanding double brackets U768
		Rationalising denominators	Rationalising denominators containing a single term U707	Multiplying and dividing surds U633
			Rationalising denominators containing two terms U281	Simplifying surds U338
				Adding and subtracting surds U872
				Expanding brackets with surds U499
				Simplifying algebraic fractions by cancelling common factors U103
2	Algebraic fractions	Calculating with algebraic fractions	Simplifying algebraic fractions by factorising into one bracket U437	Calculations with fractions U736, U475, U544
			Simplifying algebraic fractions by factorising into two brackets U294	Simplifying algebraic fractions by cancelling common factors U103
			Adding and subtracting fractions U685	Factorising into one bracket U365
			Multiplying algebraic fractions U457	Factorising quadratic expressions of the form x^2+bx+c U178
			Dividing algebraic fractions U824	Factorising quadratic expressions of the form ax^2+bx+c U858
3	Equations	Solving quadratic equations	Factorising to solve quadratic equations of the form $ax^2+bx+c=0$ U960	Factorising quadratic expressions of the form $ax^2+bx+c=0$ U858
			Solving quadratic equations by completing the square U589	Factorising quadratic expressions of the form $x^2+bx+c=0$ U228
			Solving quadratic equations by using the quadratic formula U665	Completing the square U397
			Constructing and solving quadratic equations U150	Substituting into algebraic formulae U585
			Solving quadratic equations graphically U601	

		Simultaneous equations	Solving simultaneous equations involving quadratics U547	Solving simultaneous equations using elimination U760
			Solving simultaneous equations involving quadratics graphically U875	Solving simultaneous equations using substitution U757
				Solving simultaneous equations graphically U836
4	Pythagoras Theorem and Trigonometry	Trigonometric ratios & graphs	Using the exact values of trigonometric ratios - Higher U319	Understanding sin, cos and tan U605
			Graphs of trigonometric functions U450	Finding unknown sides in right angled triangles U283
				Finding unknown angles in right angled triangles U545
				Using the exact values of trigonometric ratios U627
		Non-right-angled trigonometry	The sine rule U952	Understanding sin, cos and tan U605
			The cosine rule U591	Finding unknown sides in right angled triangles U283
			The area rule U592	Finding unknown angles in right angled triangles U545
				Changing the subjects of formulae with two or more steps U181
				Solving equations U325, U505
		3D Pythagoras & Trigonometry	Using Pythagoras' Theorem in 3D U541	Using Pythagoras' Theorem in 2D U385
			Trigonometry in 3D shapes U170	Applying Pythagoras' Theorem in 2D
				Finding unknown sides in right angled triangles U283
				Finding unknown angles in right angled triangles U545
5	Circle Geometry	Circle Theorems	Angles subtended at the centre or circumference of a circle U459	Combining angle facts U655
			Angles in segments and cyclic quadrilaterals U251	
			Circle theorems for chords and tangents U489	
			Alternate segment theorem U130	
6	Statistical Diagrams	Histograms	Drawing histograms with equal class widths U185	Interpreting frequency tables with grouped data U312
			Drawing histograms with unequal class widths U814	Finding averages from grouped data U877

			Interpreting histograms U983	
			Calculating averages from histograms U267	
7	Probability	Conditional Probability	Conditional probabilities from tables U246	Probabilities of mutually exclusive events U683
			Conditional probabilities from Venn diagrams U699	Venn diagrams U476
			Using the conditional probability formula U821	Tree diagrams for independent events U558
			Conditional probabilities from tree diagrams U806	Tree diagrams for dependent events U729
			Using the product rule for counting U369	
8	Inequalities	Linear and quadratic inequalities	Graphs of linear inequalities U747	Solving linear inequalities U759, U738, U145
			Solving quadratic inequalities U133	Factorising to solve quadratic equations of the form $x^2+bx+c=0$ U228
				Plotting graphs of quadratic functions U989
				Plotting straight line graphs U741
9	Functions	Substituting into functions	Substituting into functions U637	Substituting into algebraic formulae U585
			Substituting into composite functions U895	
		Finding composite and inverse functions	Finding composite functions U448	Substituting into functions U637
			Finding inverse functions U996	Substituting into composite functions U895
				Changing the subjects of formulae with two or more steps U181
				Expanding single brackets U179
				Expanding double brackets U768
10	Transformations	Transforming graphs	Translating graphs U598	Substituting into functions U637
			Reflecting graphs U487	Translation U196
			Transforming graphs U455	Reflection U799
11	Iteration	Using iterative formulae	Using recurrence relations U171	Substituting into algebraic formulae U585
			Substituting into iterative formulae U434	Changing the subjects of formulae with two or more steps U181
			Finding approximate solutions to equations using iteration U168	

12	Algebraic Proof	Writing algebraic proofs	Writing algebraic proofs U582	Expanding double brackets U768
				Simplifying algebraic fractions by factorising into one bracket U437
				Changing the subjects of formulae with two or more steps U181
13	Similarity	Area and volume of similar shapes	Finding the perimeter and area of similar shapes U630	Finding unknown sides in similar shapes U578
			Finding the surface area and volume of similar shapes U110	Converting units of area and volume U248, U468
14	Geometric Proof	Vector proof	Solving geometric problems using vectors U781	Adding and subtracting column vectors U903
			Geometric proofs with vectors U560	Multiplying column vectors by a scalar U564
				Identifying parallel vectors U660
		Writing geometric proofs	Geometric proofs with angle facts U471	Finding unknown angles U655, U826, U427
			Geometric proofs with congruence and similarity U887	Similarity and congruence U578, U630, U110, U866
			Proving the circle theorems U807	Circle Theorems U459, U251, U489, U130, U808
15	Graphs	Non-linear graphs	Estimating gradients of non-linear graphs using tangents U800	Equations of parallel and perpendicular lines U898
			Calculating distances from velocity-time graphs U611	Interpreting graphs of quadratic functions U667
			Estimating areas under non-linear graphs U882	Graphs of cubic functions U980
			Equations of circles and tangents U567	Graphs of reciprocal functions U593
				Graphs of exponential functions U229
				Finding the area of trapeziums U265

Maths Foundation (AQA GCSE)

		Small Steps	Sparx Independent Learning Code	Building blocks
1	Factors multiples primes and standard index form	HCF and LCM	Finding the lowest common multiple U751	Finding factors and using divisibility tests U211
			Finding the highest common factor U529	Finding prime numbers U236
			Prime factor decomposition U739	Venn diagrams U476
			Finding the HCF and LCM using prime factor decomposition U250	
		Standard index form	Multiplying and dividing numbers in standard form U264	Using standard form with positive indices U330
			Adding and subtracting numbers in standard form U290	Using standard form with negative indices U534
			Standard form with a calculator U161	Index rules with positive indices U235
				Index rules with negative indices U694
2	Fractions	Fractions and mixed numbers	Ordering fractions and mixed numbers U439	Simplifying fractions U646
			Adding and subtracting mixed numbers U793	Ordering fractions U746
			Multiplying with mixed numbers U224	Converting between mixed numbers and improper fractions U692
			Dividing with mixed numbers U538	Adding and subtracting fractions U736
				Multiplying fractions U475
				Dividing fractions U544
3	Expressions	Simplifying expressions	Simplifying expressions using index laws U662	Index rules with positive indices U235
			Simplifying algebraic fractions by cancelling common factors U103	Index rules with negative indices U694
				Simplifying expressions by collecting like terms U105
				Simplifying fractions U646
4	Equations	Solving equations	Solving equations with two or more steps U325	Solving equations with one step U755
			Solving equations with the unknown on both sides U870	Solving quadratic expressions of the form x^2+bx+c U178

			Solving equations with the unknown in the denominator U505	
			Constructing and solving equations U599	
			Factorising to solve quadratic equations of the form $x^2+bx+c=0$ U228	
			Solving quadratic graphically U601	
		Simultaneous equations	Solving simultaneous equations using elimination U760	Plotting straight line graphs U741
			Solving simultaneous equations using substitution U757	Substituting into algebraic formulae U585
			Solving simultaneous equations graphically U836	Changing the subjects of formulae with two or more steps U181
			Constructing and solving simultaneous equations U137	
5	Angles	Finding unknown angles	Combining angle facts U655	Angles on a line and about a point U390
			Angles on parallel lines U826	Vertically opposite angles U730
			Using quadrilateral properties to find angles U329	Angles in triangles U628
			Angles in polygons U427	Angles in quadrilaterals U732
				Line and shape properties U121
6	Right angled triangles	Pythagoras' Theorem and Trigonometry	Using Pythagoras' Theorem in 2D U385	Calculating with roots and powers U851
			Applying Pythagoras' Theorem in 2D U828	Solving equations with two or more steps U325
			Finding unknown sides in right angled triangles U283	Changing the subjects of formulae with two or more steps U181
			Finding unknown angles in right angled triangles U627	Angles in triangles U628
			Angles of elevation and depression U967	Angles on parallel lines U826
			Calculating with bearings U107	Understanding sin, cos and tan U605
			Calculating with trigonometry and bearings U164	Measuring and drawing bearings U525
7	Surface area and volume	Surface area	Finding the surface area of cones and spheres U771	Finding the surface area of cubes and cuboids U929
			Finding the surface area of frustums U334	Finding the surface area of prisms U259
			Finding the surface area of composite shapes U561	Finding the surface area of pyramids U871
				Finding the surface area of cylinders U464

		Volume	Finding the volume of cones and spheres U426	Finding the volume of cubes and cuboids U786
			Finding the volume of frustums U350	Finding the volume of prisms U174
			Finding the volume of composite shapes U543	Finding the volume of pyramids U484
				Finding the volume of cylinders U915
8	Statistical diagrams	Drawing and interpreting statistical diagrams	Drawing pie charts U508	Angles on a line and about a point U390
			Interpreting pie charts U172	Finding fractions of amounts U881, U916
			Plotting scatter graphs U199	Bar charts U363, U557
			Interpreting scatter graphs U277	Line graphs U590, U193
			Using lines of best fit U128	Interpreting frequency tables with grouped data U312
9	Probability	Theoretical and experimental probability	Probabilities of mutually exclusive events U683	Writing probabilities as fractions, decimals and percentages U510
			Sample space diagrams U104	Venn diagrams U476
			Expected results from repeated experiments U166	Frequency trees U280
			Venn diagrams with set notation U748	Calculations with fractions U736, U475, U544
			Using set notation U296	
			Tree diagrams for independent events U558	
			Tree diagrams for dependent events U729	
			Experimental probabilities U580	
10	Inequalities	Linear inequalities	Solving inequalities with the unknown on both sides U738	Reading and drawing inequalities on number lines U509
			Solving double inequalities U145	Solving single inequalities U759
			Constructing and solving inequalities U337	Solving equations with the unknown on both sides U870
11	Vectors	Vector problems	Adding and subtracting column vectors U903	Understanding column vectors U632
			Multiplying column vectors by a scalar U564	
			Identifying parallel vectors U660	
			Solving geometric problems using vectors U781	

12	Percentages	Percentage change	Percentage change with a calculator U671	Finding percentages of amounts without a calculator U554
			Finding original values in percentage calculations U286	Finding percentages of amounts with a calculator U349
			Finding the percentage an amount has been changed by U278	Percentage change without a calculator U773
			Compound interest calculations U332	
			Growth and decay U988	
13	Compound Measures	Calculating with compound measures	Calculating with speed U151	Substituting into formulae U585, U144
			Calculating with rates U256	Solving equations U325, U505
			Calculating with density U910	Changing the subjects of formulae with two or more steps U181
			Calculating with pressure U527	Reading, converting and calculating with time U902
				Converting units of length, mass and capacity U388
				Converting units of area and volume U248, U468
14	Ratio & proportion	Working with ratios and algebra	Combining ratios U921	Writing and simplifying ratios U687
			Calculating with ratios and algebra U676	Using equivalent ratios to find unknown amounts U753
			Changing ratios U865	Sharing amounts in a given ratio U577
				Converting between ratios, fractions and percentages U176
		Proportion word problems	Solving direct proportion word problems U721	
			Solving inverse proportion word problems U357	
			Currency conversion U610	
15	Linear graphs & sequences	Arithmetic and geometric sequences	Position to term rules for arithmetic sequences U498	Term to term rules U213
			Position to term rules for sequences of patterns U978	Substituting into position to term rules U530
			Position to term rules for geometric sequences U958	
			Special sequences U680	
		Equations of linear graphs	Plotting straight line graphs U741	Reading and plotting coordinates U789
			Finding equations of straight-line graphs U315	

			Interpreting equations of straight-line graphs U669	
			Equations of parallel lines U377	
			Finding the equation of a straight line from its gradient and a point U477	
			Finding the equation of a straight line from two points on the line U848	

Separate Science – Paper 1 (H) (AQA GCSE)

		Small Steps	Sparx Independent Learning Codes	BBC Link	YouTube Link
1	Cell Biology	Eukaryotes and prokaryotes	R489 and R883	https://www.bbc.co.uk/bitesize/topics/z2s8v9q	https://www.youtube.com/playlist?list=PL9IouNCPbCxVU74eQtCcqbaQdYmwzAnlC
		Microscopes and magnification including microscopy	R878, R132 and R585		
		Cell specialisation & differentiation	R220 and R976		
		Culturing microorganisms	R308		
		Practical - Investigate the effect of antiseptics or antibiotics on bacterial growth	*R611 and R426*		
		Mitosis and the cell cycle	R368		
		Stem cells	R478		
		Diffusion, osmosis and active transport	R264, R949 and R786		
2	Organisation	Digestive system	R154	https://www.bbc.co.uk/bitesize/topics/zwtcng8	https://www.youtube.com/playlist?list=PL9IouNCPbCxXGDt3ATU1xM_X_F8JghPCB
		Practical - Use qualitative reagents to test for carbohydrates, lipids and proteins	*R647*		
		Practical - Investigate the effect of pH on the rate of reaction of amylase on starch	*R642*		
		The circulatory system including components of blood and CHD	R806, R350, R673 and R583		
		Healthy lifestyle, the effects of lifestyle, non-communicable diseases and cancer.	R902, R505 and R669		
		Plant tissues and organ systems	R318		
3	Infection and response	Communicable diseases	R329 and R417	https://www.bbc.co.uk/bitesize/topics/z9236yc	https://www.youtube.com/playlist?list=PL9IouNCPbCxVQPNgqka5bSs-IWe3L6OD8
		Human defence system	R566		
		Vaccinations, antibiotics and painkillers	R938 and R328		
		Discovery of drugs and their development	R781		
		Monoclonal antibodies and their uses	R486		

		Plant diseases and their defence responses	R914 and R632		
4	Bioenergetics	Photosynthesis & factors affecting rate	R827 and R732	https://www.bbc.co.uk/bitesize/topics/zgws7p3	https://www.youtube.com/playlist?list=PL9IouNCPbCxXVpEqkFRN5Jq8ZZTBBRWUz
		Practical – Investigate the effect of light intensity on the rate of photosynthesis	*R248*		
		Uses of glucose in plants	R917		
		Aerobic, anaerobic respiration and response to exercise	R336, R545 and R268		
		Metabolism	R434		
5	Atomic structure and the periodic table	Atoms, elements and compounds	R447, R333 and R994	https://www.bbc.co.uk/bitesize/topics/zxnftv4	https://www.youtube.com/playlist?list=PL9IouNCPbCxULWXCO9jt0PsuAbxYpw2_1
		Mixtures; separation/ purification techniques	R616 and R550		
		Development of the model of the atom	R793		
		The atom including; size and mass, relative electrical charges of subatomic particles	R945		
		Relative atomic mass	R646		
		Electronic structure	R293		
		The periodic table	R684		
		Development of the periodic table	R842		
		Metals, transition metals and non-metals	R843 and R468		
		Groups 1, 7 and 0 properties and trends	R572, R925, R406 and R580		
6	Bonding, structure and properties of matter	Three types of bonds; ionic, covalent and metallic	R868, R467 and R928	https://www.bbc.co.uk/bitesize/topics/zq6h2nb	https://www.youtube.com/playlist?list=PL9IouNCPbCxXmFgiKCM60Sglh-qOG_vIE
		States of matter and state symbols	R627, R983 and R272		
		Properties of ionic compounds	R581 and R562		
		Properties of small molecules	R876 and R283		
		Polymers; bonding and structure	R692		

		Giant covalent structures	R916 and R338		
		Properties of metals and alloys	R444 and R596		
		Diamond & graphite; structure and properties	R901		
		Graphene and fullerenes; structure and properties & uses	R237		
		Sizes of particles and their properties	R530		
		Uses of nanoparticles	R957		
7	Quantitative chemistry	Conservation of mass and balanced chemical equations	R533	https://www.bbc.co.uk/bitesize/topics/z87mw6f	https://www.youtube.com/playlist?list=PL9IouNCPbCxUhxxFUbR4SNfwmaRB8mYX3
		Relative formula mass	R195		
		Chemical measurements; estimations of uncertainty/ range around a mean.	R155		
		Moles	R223		
		Amounts of substances in equations	R497		
		Using moles to balance equations	R624 and R143		
		Limiting reactants	R380		
		Concentration of solutions	R807		
		Percentage yield	R463		
		Atom economy	R474		
		Using concentrations of solutions mol/dm3 or g/dm3	R262		
		Use of amount of substance in relation to volumes of gases	R985 and R332		
8	Chemical changes	Metal oxides; production, oxidation, reduction	R681	https://www.bbc.co.uk/bitesize/topics/zcdj97h	https://www.youtube.com/playlist?list=PL9IouNCPbCxXDlRtCQEG0cGehBvJ7t9Pf
		The reactivity series	R981		
		Extraction of metals and reduction	R483		

		Oxidation and reduction in terms of electrons	R245		
		Neutralisation of acids and salt production	R142		
		Practical - Production of a pure, dry sample of a soluble salt	*R412 and R885*		
		The pH scale, strong and weak acids and neutralisation	R629		
		Practical - Titration to determine the reacting volumes of solutions of a strong acid/ alkali	*R892 and R297*		
		The process of electrolysis	R298		
		Using electrolysis to extract metals	R672 and R279		
		Practical - Electrolysis of an aqueous solution using inert electrodes	*R866*		
		Representation of reactions at electrodes as half equations	R792		
9	Energy changes	Energy transfer during exothermic and endothermic reactions	R833	https://www.bbc.co.uk/bitesize/topics/z34kgdm	https://www.youtube.com/playlist?list=PL9IouNCPbCxX74bPfz0TGVVmyGYgMarWu
		Practical - Investigate variables that affect temperature changes in reacting solutions.	*R466*		
		Reaction profiles; energy level diagrams	R675		
		The energy change of reactions; breaking and making bonds	R769		
		Cells, batteries and fuel cells	R120 and R836		
10	Energy	Energy stores and systems	R393	https://www.bbc.co.uk/bitesize/topics/zycbsrd	https://www.youtube.com/playlist?list=PL9IouNCPbCxWNjJvmqwZ4vKy4VfcAhsCj
		Changes in energy	R180		
		Energy changes in systems	R704, R802, R544 and R751		
		Practical – Specific Heat Capacity	*R251*		
		Power	R602		
		Energy transfers in a system (conservation/ dissipation)	R606 and R384		
		Practical - Thermal Insulation	*R312*		

		Efficiency	R666		
		National and global energy resources	R496, R911 and R476		
11	Electricity	Standard circuit diagram symbols	R780	https://www.bbc.co.uk/bitesize/topics/zp3ftv4	https://www.youtube.com/playlist?list=PL9IouNCPbCxXc2NQoIZN7-3jIKN7vW-Sq
		Electrical charge and current	R274		
		Current, resistance & potential difference	R955 and R779		
		Practical - Factors affecting resistance	*R831*		
		Resistors; ohmic conductors, lamps, diodes, thermistors, LDRs, IV graphs	R959 and R658		
		Practical - I-V Characteristics of a variety of circuit elements	*R439*		
		Series and Parallel circuits	R752		
		Direct and alternating potential difference	R499		
		Main's electricity	R121 and R361		
		Energy transfers; Power	R773		
		Energy transfers in everyday appliances	R490 and R815		
		The National Grid	R507		
		Static Electricity	R147		
		Electric fields	R151		
12	Particle model of matter	Density of materials	R136	https://www.bbc.co.uk/bitesize/topics/zxsh2nb	https://www.youtube.com/playlist?list=PL9IouNCPbCxWdHszkb6n6503ommOpg_t7
		Practical - Densities of regular and irregular objects	*R128*		
		Changes of state	R791		
		Internal energy and energy transfers	R621		
		Temperature changes in a system and specific heat capacity	R527		
		Changes of heat and specific latent heat	R641		

		Particle model and pressure	R951		
		Particle motion in gases	R614		
		Pressure in gases and increasing the pressure of a gas	R989		
13	Atomic structure	Atoms and isotopes	R139 and R889	https://www.bbc.co.uk/bitesize/topics/zqtmw6f	https://www.youtube.com/playlist?list=PL9IouNCPbCxXTU7zSX4IvJDLrtCEmqEMU
		Mass number, atomic number and isotopes	R548		
		The development of the model of the atom	R617		
		Atoms and nuclear radiation	R937 and R694		
		Radioactive decay and nuclear equations	R193 and R549		
		Half-lives and the random nature of radioactive decay	R905		
		Radioactive contamination and background radiation	R661 and R690		
		Uses of nuclear radiation	R316 and R388		
		Nuclear fission and fusion	R345 and R851		

Separate Science – Paper 2 (H) (AQA GCSE)

		Small Steps	Sparx Independent Learning Codes	BBC Link	YouTube Link
1	Homeostasis	Human nervous system; structure and function	R213 and R936	https://www.bbc.co.uk/bitesize/topics/zy468mn	https://www.youtube.com/playlist?list=PL9IouNCPbCxW3IptxS1yHCP2I9YDfM2co
		Practical - Investigate the effect of a factor on human reaction time.	*R683*		
		The brain; cerebral cortex, cerebellum & medulla, structure and function	*R838 and R464*		
		The eye; structure and function, myopia & hyperopia	R850, R369 and R864		
		Control of body temperature	R160 and R903		
		Human endocrine system; pituitary gland, pancreas, thyroid, adrenal gland, ovary, testes. Location and function	R832		
		Control of blood sugar concentration	R379, R841 and R445		
		Maintaining water and nitrogen balance in the body	R591, R141 and R570		
		Hormones in human reproduction	R651 and R910		
		Contraception; hormonal and non-hormonal methods	R679		
		The uses of hormones to treat infertility	R493		
		Negative feedback	R275		
		Plant hormones; control and coordination	R782, R201		
		Use of plant hormones	R730		
2	Inheritance, variation and evolution	Sexual and asexual reproduction	R320	https://www.bbc.co.uk/bitesize/topics/zpb7cj6	https://www.youtube.com/playlist?list=PL9IouNCPbCxWt28Bifo2jK9xn-ym956sf
		Meiosis	R969		
		Advantages and disadvantages of sexual and asexual reproduction	R668		

		DNA structure and function; protein synthesis and the genome	R810 and R794		
		Genetic inheritance & Inherited disorders	R249		
		Sex determination	R431		
		Variation; inherited and environmental	R276		
		Evolution	R738		
		Selective breeding	R754		
		Genetic engineering	R801, R609 and R805		
		Cloning	R859		
		Theory of evolution; Darwin and Lamarck	R157		
		Speciation	R733		
		The understanding of genetics; Mendel's work	R189		
		Evidence for evolution	R719		
		Fossils and extinction	R294		
		Resistant bacteria	R175		
		Classification of living organisms	R761		
3	Ecology	Communities and levels of organisation	R504, R226 and R750	https://www.bbc.co.uk/bitesize/topics/zxfd3k7	https://www.youtube.com/playlist?list=PL9IouNCPbCxVuf3dVIq6kHQ0b27Hu-fgW
		Abiotic and biotic factors	R173 and R656		
		Adaptations	R453		
		Practical - Measure the population size of a common species in a habitat using sampling techniques; quadrats, belt/ line transects, pooters/ nets/ pitfalls	*R355*		
		How materials are cycled including decomposition (water and carbon)	R824, R153 and R687		

		Practical - Investigate the effect of temperature on the rate of decay of fresh milk	*R152*		
		Biodiversity and maintaining	R748 and R124		
		Waste management	R604		
		Land use; deforestation, destruction of peat bogs	R975		
		Global warming	R325		
		Trophic levels	R438		
		Pyramids of biomass and transfer	R305 and R292		
		Factors affecting food security; enough food to feed a population	R311		
		Farming techniques and sustainable fisheries	R177		
		Role of biotechnology			
4	The rate and extent of chemical change	Calculating rates of reaction	R771	https://www.bbc.co.uk/bitesize/topics/zs3gfcw	https://www.youtube.com/playlist?list=PL9IouNCPbCxW8AN0t0py7LaKdKSwfL3fP
		Factors which affect the rates of chemical reactions			
		Practical - How changes in concentration affect the rates of reactions	R280		
		Collision theory and activation energy	R895		
		Catalysts	R601		
		Reversible reactions			
		Energy changes and reversible reactions			
		Equilibrium	R768		
		The effect of changing conditions on equilibrium; concentration, temperature and pressure	R115		
5		Crude oil, hydrocarbons and alkanes	R526		

	Organic Chemistry	Fractional distillation and petrochemicals	R205	https://www.bbc.co.uk/bitesize/topics/ztsyh39	https://www.youtube.com/playlist?list=PL9IouNCPbCxVDcgWiviYYWj0xKMPXTd8s
		Properties of hydrocarbons	R837		
		Cracking and alkenes	R240		
		Structure and formulae of alkenes	R418		
		Reactions of alkenes	R900		
		Alcohols	R613 and R465		
		Carboxylic acids	R508		
		Addition polymerisation	R371		
		Condensation polymerisation	R723		
6	Chemical Analysis	Pure substances	R281	https://www.bbc.co.uk/bitesize/topics/z2tpmsg	https://www.youtube.com/playlist?list=PL9IouNCPbCxXlBeaxebOG5yf_pGrxzOyR
		Formulations	R256		
		Chromatography	R638		
		Paper Chromatography	R720 and R953		
		Test for gases; hydrogen, oxygen, carbon dioxide and chlorine	R443		
		Flame tests to identify some metal ions	R172 and R755		
		Chemical tests to identify ions	R364		
		Instrumental methods	R487		
		Flame emission spectroscopy			
8	Chemistry of the atmosphere	The proportions of different gases in the atmosphere	R225	https://www.bbc.co.uk/bitesize/topics/zw2xjty	https://www.youtube.com/playlist?list=PL9IouNCPbCxVv0kvofC7GTUcqhUBddgWL
		The Earth's early atmosphere	R225		
		Greenhouse gases	R391		

		Human activities which contribute to an increase in greenhouse gases in the atmosphere			
		Global climate change	R728		
		The carbon footprint and its reduction	R873		
		Atmospheric pollutants from fuels	R221		
		Properties and effects of atmospheric pollutants	R119		
8	Using Resources	Using the Earth's resources and sustainable development	R912	https://www.bbc.co.uk/bitesize/topics/z9wqk2p	https://www.youtube.com/playlist?list=PL9IouNCPbCxVQ-jFybEAnf4D8Naid7qsx
		Potable water	R208		
		Purification and analysis of water	R759		
		Waste water treatment	R898		
		Alternative methods of extracting metals; bioleaching, phytomining	R403		
		Life cycle assessment	R826		
		Ways of reducing the use of resources	R228		
		Corrosion and its prevention	R561		
		Alloys as useful materials	R907		
		Ceramics, polymers and composites	R287 and R920		
		The Haber process	R511 and R163		
		Production and uses of NPK fertilisers	R541		
9	Forces	Forces and their interactions; scalar and vector quantities	R197	https://www.bbc.co.uk/bitesize/topics/z82j97h	https://www.youtube.com/playlist?list=PL9IouNCPbCxUrQkFLoPwB67nDbhw2NfAO
		Contact and non-contact forces	R853		
		Resultant forces	R744		
		Work done and energy transfer	R307		

		Forces and elasticity	R337, R598 and R494		
		Practical - Investigate the relationship between force and extension for a spring	*R353*		
		Moments, levers and gears	R563, R324 and R473		
		Pressure in a fluids and gases	R564, R480 and R129		
		Describing motion along a line; distance and displacement	R314		
		Speed & velocity	R374		
		The distance-time relationship	R908		
		Acceleration	R760 and R799		
		Newton's Laws 1, 2 and 3	R893, R138 and R519		
		Practical - Investigate the effect of varying the force on the acceleration of an object of constant mass, and the effect of varying the mass of an object on the acceleration produced by a constant force	*R149*		
		Forces and braking; stopping distance	R823, R134		
		Factors affecting braking distance	R107		
		Momentum	R980		
		Waves in air, fluids & solids; transverse and longitudinal waves	R186		
		Properties of waves	R103 and R569		
10	Waves	*Practical - Make observation to identify the suitability of apparatus to measure the frequency, wavelength and speed of waves in a ripple tank*	*R452 and R625*	https://www.bbc.co.uk/bitesize/topics/zcwkgdm	https://www.youtube.com/playlist?list=PL9IouNCPbCxX1-0Nr5_bMDJnN-9RqMuA6
		Practical - Investigate the reflection of light by different types of surfaces and the refraction of light by different substances	R233, R241 and R992		
		Sound waves	*R803*		

		Waves for detection and exploration	R762 and R382		
		Electromagnetic waves, their properties and uses	R288, R556 and R919		
		Practical - Investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of the surface	*R699*		
		Uses and applications of electromagnetic waves	R993		
		Lenses; convex and concave	R724, R648 and R198		
		Visible light	R488		
		Black body radiation; emission and absorption of infrared radiation	R968, R553 and R709		
11	Magnetism and electromagnetism	Magnets and their fields	R847 and R882	https://www.bbc.co.uk/bitesize/topics/z39ry4j	https://www.youtube.com/playlist?list=PL9IouNCPbCxVean2cWoznpfC5PxYbs9TX
		Motor effect; Electromagnetism & induced potential	R342 and R344		
		Electric motors & Fleming's left-hand rule	R931 and R766		
		Loudspeakers; moving-coil loudspeakers and headphones	R247		
		Uses of the generator effect	R571		
		Microphones; moving-coil microphone	R247		
		Transformers	R224, R510 and R116		
12	Space	Our solar system	R935	https://www.bbc.co.uk/bitesize/topics/zsbyh39	https://www.youtube.com/playlist?list=PL9IouNCPbCxUGMXZ4ubg_ttcNboQa-PtI
		The life cycle of a star	R540		
		Orbital motion, natural and artificial satellites	R872		
		Red-shift	R789 and R789		

Combined Science – Paper 1 (AQA GCSE)

		Small Steps	Sparx Independent Learning Codes	BBC Link	YouTube Link
1	Cell Biology	Eukaryotes and prokaryotes	R489 and R883	https://www.bbc.co.uk/bitesize/topics/z2mttv4	https://www.youtube.com/playlist?list=PL9IouNCPbCxVU74eQtCcqbaQdYmwzAnlC
		Microscopes and magnification including microscopy	R878, R132 and R585		
		Cell specialisation & differentiation	R220, R976 and R509		
		Mitosis and the cell cycle	R368		
		Stem cells	*R478*		
		Diffusion, osmosis and active transport	R264, R949 and R786		
2	Organisation	Digestive system	R154	https://www.bbc.co.uk/bitesize/topics/zwj22nb	https://www.youtube.com/playlist?list=PL9IouNCPbCxXGDt3ATU1xM_X_F8JghPCB
		Practical - Use qualitative reagents to test for carbohydrates, lipids and proteins	*R647*		
		Practical - Investigate the effect of pH on the rate of reaction of amylase on starch	*R642*		
		The circulatory system including components of blood and CHD	R806, R350, R673 and R583		
		Healthy lifestyle, the effects of lifestyle, non-communicable diseases and cancer.	R902, R505 and R669		
		Plant tissues and organ systems	R318		
3	Infection and response	Communicable diseases	R329 and R417	https://www.bbc.co.uk/bitesize/topics/z9kww6f	https://www.youtube.com/playlist?list=PL9IouNCPbCxVQPNgqka5bSs-IWe3L6OD8
		Human defence system	R566		
		Vaccinations, antibiotics and painkillers	R938 and R328		
		Discovery of drugs and their development	R781		
		Monoclonal antibodies and their uses	R486		

4	Bioenergetics	Photosynthesis & factors affecting rate	R827 and R732	https://www.bbc.co.uk/bitesize/topics/zgr997h	https://www.youtube.com/playlist?list=PL9IouNCPbCxXVpEqkFRN5Jq8ZZTBBRWUz
		Practical – Investigate the effect of light intensity on the rate of photosynthesis	*R248*		
		Uses of glucose in plants	R917		
		Aerobic, anaerobic respiration and response to exercise	R336, R545 and R268		
		Metabolism	R434		
5	Atomic structure and the periodic table	Atoms, elements and compounds	R447, R333 and R994	https://www.bbc.co.uk/bitesize/topics/zcckk2p	https://www.youtube.com/playlist?list=PL9IouNCPbCxULWXCO9jt0PsuAbxYpw2_1
		Mixtures; separation/ purification techniques	R616 and R550		
		Development of the model of the atom	R793		
		The atom including; size and mass, relative electrical charges of subatomic particles	R945		
		Relative atomic mass	R646		
		Electronic structure	R293		
		The periodic table	R684		
		Development of the periodic table	R842		
		Metals, transition metals and non-metals	R843 and R468		
		Groups 1, 7 and 0 properties and trends	R572, R925, R406 and R580		
6	Bonding, structure and properties of matter	Three types of bonds; ionic, covalent and metallic	R868, R467 and R928	https://www.bbc.co.uk/bitesize/topics/z33rrwx	https://www.youtube.com/playlist?list=PL9IouNCPbCxXmFgiKCM60Sglh-qOG_vlE
		States of matter and state symbols	R627, R983 and R272		
		Properties of ionic compounds	R581 and R562		
		Properties of small molecules	R876 and R283		
		Polymers; bonding and structure			
		Giant covalent structures	R916 and R338		

		Properties of metals and alloys	R444 and R596		
		Diamond & graphite; structure and properties	R901		
		Graphene and fullerenes; structure and properties & uses	R237		
		Sizes of particles and their properties	R530		
		Uses of nanoparticles	R957		
7	Quantitative chemistry	Conservation of mass and balanced chemical equations	R533	https://www.bbc.co.uk/bitesize/topics/zsnyy4j	https://www.youtube.com/playlist?list=PL9IouNCPbCxUhxxFUbR4SNfwmaRB8mYX3
		Relative formula mass	R195		
		Chemical measurements; estimations of uncertainty/ range around a mean.	R155		
		Moles (HT only)	R223		
		Amounts of substances in equations (HT only)	R497		
		Using moles to balance equations (HT only)	R624 and R143		
		Limiting reactants (HT only)	R380		
		Concentration of solutions	R807		
8	Chemical changes	Metal oxides; production, oxidation, reduction	R681	https://www.bbc.co.uk/bitesize/topics/zt6ppbk	https://www.youtube.com/playlist?list=PL9IouNCPbCxXDlRtCQEG0cGehBvJ7t9Pf
		The reactivity series	R981		
		Extraction of metals and reduction	R483		
		Oxidation and reduction in terms of electrons	R245		
		Neutralisation of acids and salt production	R142		
		Practical - Production of a pure, dry sample of a soluble salt	*R412 and R885*		
		The pH scale and neutralisation	R529		
		Strong and weak acids (HT only)	*R629*		

		The process of electrolysis	R298		
		Using electrolysis to extract metals	R672 and R279		
		Practical - Electrolysis of an aqueous solution using inert electrodes	*R866*		
		Representation of reactions at electrodes as half equations (HT only)	R792		
9	Energy changes	Energy transfer during exothermic and endothermic reactions	R833	https://www.bbc.co.uk/bitesize/topics/z27xxfr	https://www.youtube.com/playlist?list=PL9IouNCPbCxX74bPfz0TGVVmyGYgMarWu
		Practical - Investigate variables that affect temperature changes in reacting solutions.	*R466*		
		Reaction profiles; energy level diagrams	R675		
		The energy change of reactions; breaking and making bonds (HT only)	R769		
10	Energy	Energy stores and systems	R393	https://www.bbc.co.uk/bitesize/topics/z89ddxs	https://www.youtube.com/playlist?list=PL9IouNCPbCxWNjJvmqwZ4vKy4VfcAhsCj
		Changes in energy	R180		
		Energy changes in systems	R704, R802, R544 and R751		
		Practical – Specific Heat Capacity	*R251*		
		Power	R602		
		Energy transfers in a system (conservation/ dissipation)	R606 and R384		
		Efficiency	R666		
		National and global energy resources	R496, R911 and R476		
11	Electricity	Standard circuit diagram symbols	R780	https://www.bbc.co.uk/bitesize/topics/zcg44qt	https://www.youtube.com/playlist?list=PL9IouNCPbCxXc2NQoIZN7-3jIKN7vW-Sq
		Electrical charge and current	R274		
		Current, resistance & potential difference	R955 and R779		
		Practical - Factors affecting resistance	*R831*		
		Resistors; ohmic conductors, lamps, diodes, thermistors, LDRs, IV graphs	R959 and R658		

		Practical - I-V Characteristics of a variety of circuit elements	*R439*		
		Series and Parallel circuits	R752		
		Direct and alternating potential difference	R499		
		Main's electricity	R121 and R361		
		Energy transfers; Power	R773		
		Energy transfers in everyday appliances	R490 and R815		
		The National Grid	R507		
12	Particle model of matter	Density of materials	R136	https://www.bbc.co.uk/bitesize/topics/z3ybb82	https://www.youtube.com/playlist?list=PL9IouNCPbCxWdHszkb6n6503ommOpg_t7
		Practical - Densities of regular and irregular objects	*R128*		
		Changes of state	R791		
		Internal energy and energy transfers	R621		
		Temperature changes in a system and specific heat capacity	R527		
		Changes of heat and specific latent heat	R641		
		Particle model and pressure	R951		
		Particle motion in gases	R614		
13	Atomic structure	Atoms and isotopes	R139	https://www.bbc.co.uk/bitesize/topics/zshssrd	https://www.youtube.com/playlist?list=PL9IouNCPbCxXTU7zSX4IvJDLrtCEmqEMU
		Mass number, atomic number and isotopes	R548		
		The development of the model of the atom	R617		
		Atoms and nuclear radiation	R937 and R694		
		Radioactive decay and nuclear equations	R193 and R549		
		Half-lives and the random nature of radioactive decay	R905		

Radioactive contamination and background radiation	R661 and R690
Uses of nuclear radiation	R316 and R388

Combined Science – Paper 2 (AQA GCSE)

		Small Steps	Sparx Independent Learning Codes	BBC Link	YouTube Link
1	Homeostasis and Response	Homeostasis	R904	https://www.bbc.co.uk/bitesize/topics/zyybb82	https://www.youtube.com/playlist?list=PL9IouNCPbCxW3IptxS1yHCP2I9YDfM2co
		Human nervous system; structure and function	R213 and R936		
		Practical - Investigate the effect of a factor on human reaction time.	*R683*		
		Human endocrine system; pituitary gland, pancreas, thyroid, adrenal gland, ovary, testes. Location and function	R832		
		Control of blood sugar concentration	R379 and R841		
		Hormones in human reproduction	R651 and R910		
		Contraception; hormonal and non-hormonal methods	R679		
		The uses of hormones to treat infertility (HT only)	R493		
		Negative feedback (HT only)	R275		
2	Inheritance, variation and evolution	Sexual and asexual reproduction	R320	https://www.bbc.co.uk/bitesize/topics/zppffcw	https://www.youtube.com/playlist?list=PL9IouNCPbCxWt28Bifo2jK9xn-ym956sf
		Meiosis	R969		
		DNA and the genome	R810 and R794		
		Genetic inheritance & Inherited disorders	R249		
		Sex determination	R249		
		Variation; inherited and environmental	R431		
		Evolution	R738		
		Selective breeding	R754		

		Genetic engineering	R801		
		The understanding of genetics; Mendel's work	R189		
		Evidence for evolution	R157		
		Fossils and extinction	R719 and R294		
		Resistant bacteria	R175		
		Classification of living organisms	R761		
3	Ecology	Communities and levels of organisation	R504, R226 and R750	https://www.bbc.co.uk/bitesize/topics/zxxhh39	https://www.youtube.com/playlist?list=PL9IouNCPbCxVuf3dVIq6kHQ0b27Hu-fgW
		Abiotic and biotic factors	R173 and R656		
		Adaptations	R453		
		Practical - Measure the population size of a common species in a habitat using sampling techniques; quadrats, belt/ line transects, pooters/ nets/ pitfalls	*R355*		
		How materials are cycled including water and carbon	R824 and R153		
		Biodiversity and maintaining	R748 and R124		
		Waste management	R604		
		Land use; deforestation, destruction of peat bogs	R975		
		Global warming	R325		
4	The rate and extent of chemical change	Calculating rates of reaction	R771	https://www.bbc.co.uk/bitesize/topics/zwdqqhv	https://www.youtube.com/playlist?list=PL9IouNCPbCxW8AN0t0py7LaKdKSwfL3fP
		Factors which affect the rates of chemical reactions			
		Practical - How changes in concentration affect the rates of reactions	R280		
		Collision theory and activation energy	R895		
		Catalysts	R601		

		Reversible reactions			
		Energy changes and reversible reactions			
		Equilibrium	R768		
		The effect of changing conditions on equilibrium; concentration, temperature and pressure (HT only)	R115		
5	Organic Chemistry	Crude oil, hydrocarbons and alkanes	R526 and R837	https://www.bbc.co.uk/bitesize/topics/z9488mn	https://www.youtube.com/playlist?list=PL9IouNCPbCxVDcgWiviYYWj0xKMPXTd8s
		Fractional distillation and petrochemicals	R205		
		Properties of hydrocarbons	R837		
		Cracking and alkenes	R240 and R418		
6	Chemical Analysis	Pure substances	R281	https://www.bbc.co.uk/bitesize/topics/zgbccj6	https://www.youtube.com/playlist?list=PL9IouNCPbCxXlBeaxebOG5yf_pGrxzOyR
		Formulations	R256		
		Chromatography	R368		
		Paper Chromatography	R720 and R953		
		Test for gases; hydrogen, oxygen, carbon dioxide and chlorine	R443		
7	Chemistry of the atmosphere	The proportions of different gases in the atmosphere	R225	https://www.bbc.co.uk/bitesize/topics/zysvv9q	https://www.youtube.com/playlist?list=PL9IouNCPbCxVv0kvofC7GTUcqhUBddgWL
		The Earth's early atmosphere	R225		
		Greenhouse gases	R391		
		Human activities which contribute to an increase in greenhouse gases in the atmosphere			
		Global climate change	R728		
		The carbon footprint and its reduction	R873		
		Atmospheric pollutants from fuels	R221		

		Properties and effects of atmospheric pollutants	R119		
8	Using Resources	Using the Earth's resources and sustainable development	R912	https://www.bbc.co.uk/bitesize/topics/zptnng8	https://www.youtube.com/playlist?list=PL9IouNCPbCxVQ-jFybEAnf4D8Naid7qsx
		Potable water	R208		
		Purification and analysis of water	R759		
		Waste water treatment	R898		
		Alternative methods of extracting metals; bioleaching, phytomining (HT only)	R403		
		Life cycle assessment	R826		
		Ways of reducing the use of resources	R228		
9	Forces	Forces and their interactions; scalar and vector quantities	R197	https://www.bbc.co.uk/bitesize/topics/ztmttv4	https://www.youtube.com/playlist?list=PL9IouNCPbCxUrQkFLoPwB67nDbhw2NfAO
		Contact and non-contact forces	R5883		
		Resultant forces	R744		
		Work done and energy transfer	R307		
		Forces and elasticity	R598 and R494		
		Practical - Investigate the relationship between force and extension for a spring	*R353*		
		Describing motion along a line; distance and displacement	R314		
		Speed & velocity	R374 and R639		
		The distance-time relationship	R314		
		Acceleration	R760		
		Newton's Laws 1, 2 and 3	R893. R138 and R519		
		Practical - Investigate the effect of varying the force on the acceleration of an object of constant mass, and the effect of varying the mass of an object on the acceleration produced by a constant force	*R149*		

		Forces and braking; stopping distance	R823 and R134		
		Factors affecting braking distance	R107		
		Momentum (HT only)	R980		
10	Waves	Waves in air, fluids & solids; transverse and longitudinal waves	R186	https://www.bbc.co.uk/bitesize/topics/z2j22nb	https://www.youtube.com/playlist?list=PL9IouNCPbCxX1-0Nr5_bMDJnN-9RqMuA6
		Properties of waves	R103 and R569		
		Practical - Make observation to identify the suitability of apparatus to measure the frequency, wavelength and speed of waves in a ripple tank	*R452 and R625*		
		Electromagnetic waves, their properties and uses	R288, R556 and R919		
		Practical - Investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of the surface	*R699*		
		Uses and applications of electromagnetic waves	R993		
11	Magnetism and electromagnetism	Magnets and their fields	R847 and R882	https://www.bbc.co.uk/bitesize/topics/zwkww6f	https://www.youtube.com/playlist?list=PL9IouNCPbCxVean2cWoznpfC5PxYbs9TX
		Motor effect; Electromagnetism & induced potential	R342 and R344		
		Electric motors & Fleming's left-hand rule (HT only)	R931 and R766		

History (Edexcel/Pearson GCSE)

		Small Steps	Resources links
1	Paper 1-Medieval Medicine	Supernatural and religious explanations of the cause of disease.	https://www.bbc.co.uk/teach/class-clips-video/medicine-through-time/zdcy8xs
		Rational explanations: the Theory of the Four Humours and the miasma theory; the continuing influence of Hippocrates and Galen.	
		Approaches to prevention and treatment and their connection with ideas about disease and illness: religious actions, bloodletting and purging, purifying the air, and the use of remedies.	
		New and traditional approaches to hospital care in the thirteenth century. The role of the physician, apothecary and barber surgeon in treatment and care provided within the community and in hospitals, c1250–1500.	
		Dealing with the Black Death, 1348–49; approaches to treatment and attempts to prevent its spread.	
2	Renaissance Medicine	Ideas about the cause of disease and illness- Scientific approach, including the work of Thomas Sydenham in improving diagnosis. The influence of the printing press and the work of the Royal Society on the transmission of ideas.	https://www.bbc.co.uk/teach/class-clips-video/medicine-through-time/zdcy8xs
		Approaches to prevention and Treatment- Continuity in approaches to prevention, treatment and care in the community and in hospitals. Change in care and treatment: improvements in medical training and the influence in England of the work of Vesalius.	
		Case study: Plague 1665- Dealing with the Great Plague in London, 1665: approaches to treatment and attempts to prevent its spread.	
		Case study: Circulation of blood- Key individual: William Harvey and the discovery of the circulation of the blood.	
3	18th/19th Century Medicine	Ideas about the cause of disease and Illness- The influence in Britain of Pasteur's Germ Theory and Koch's work on microbes.	https://www.bbc.co.uk/teach/class-clips-video/medicine-through-time/zdcy8xs
		Case study: Jenner- Key individual: Jenner and the development of vaccination.	
		Case study: Cholera- Fighting Cholera in London, 1854; attempts to prevent its spread; the significance of Snow and the Broad Street pump. New approaches to prevention: the development and use of vaccinations and the Public Health Act 1875.	
		Approaches to prevention and Treatment- The extent of change in care and treatment: improvements in hospital care and the influence of Nightingale. The impact of anaesthetics and antiseptics on surgery.	
4	Modern Medicine	Ideas about the cause of disease and Illness- Advances in understanding the causes of illness and disease: the influence of genetic and lifestyle factors on health. Improvements in diagnosis: the impact of the availability of blood tests, scans and monitors	https://www.bbc.co.uk/teach/class-clips-video/medicine-through-time/zdcy8xs

		Approaches to prevention and treatment- The extent of change in care and treatment. The impact of the NHS and science and technology: improved access to care; advances in medicines, including magic bullets and antibiotics; high-tech medical and surgical treatment in hospitals. New approaches to prevention: mass vaccinations and government lifestyle campaigns.	
		Case study: Penicillin- Key individuals: Fleming, Florey and Chain's development of penicillin.	
		Case study: Lung cancer treatment- The fight against lung cancer in the twenty-first century: the use of science and technology in diagnosis and treatment; government action.	
5	Historical Environment- The Western Front	The Western Front- The context of the British sector of Western Front and the theatre of war in Flanders and northern France: the Ypres salient, the Somme, Arras and Cambrai.	https://www.bbc.co.uk/teach/class-clips-video/medicine-through-time/zdcy8xs
		Trenches- The trench system - its construction and organisation, including frontline and support trenches. The use of mines at Hill 60 near Ypres and the expansion of tunnels, caves and quarries at Arras. Significance for medical treatment of the nature of the terrain and problems of the transport and communications infrastructure.	
		Wounds- The nature of wounds from rifles and explosives. The problem of shrapnel, wound infection and increased numbers of head injuries. The effects of gas attacks.	
		Helping the wounded- The work of the RAMC and FANY. The system of transport: stretcher bearers, horse and motor ambulances. The stages of treatment areas: aid post and field ambulance, dressing station, casualty clearing station, base hospital. The underground hospital at Arras.	
		Impact of the Western Front on medicine and Surgery- The significance of the Western Front for experiments in surgery and medicine: new techniques in the treatment of wounds and infection, the Thomas splint, X-Rays and blood loss, the use of mobile x-ray units, the creation of a blood bank for the Battle of Cambrai.	
6	Paper 3- Weimar Germany- Challenges	1. The origins of the Weimar Republic, 1918–19. Legacy of WWI. Abdication of the Kaiser, the armistice and revolution, 1918–19.	https://www.bbc.co.uk/bitesize/topics/zymqwxs
		2. The origins of the Weimar Republic, 1918–19. Setting up Weimar Republic. Strengths and weaknesses of new Constitution.	
		3. The early challenges to the Weimar Republic, 1919–23. Reasons for the early unpopularity of Republic, including 'stab in the back' theory and terms of the Treaty of Versailles.	
		4. The early challenges to the Weimar Republic, 1919–23. Challenges to Republic from Left and Right: Spartacists, Freikorps, the Kapp Putsch.	
		5. The early challenges to the Weimar Republic, 1919–23. Challenges of 1923: hyperinflation; the reasons for, and effects of, the French occupation of the Ruhr.	
		6. The recovery of the Republic, 1924–29. Reasons for economic recovery, including Stresemann, Rentenmark, Dawes and Young Plans and American loans and investment. Impact on domestic policies of Stresemann's achievements abroad: the Locarno Pact, joining the League of Nations and Kellogg-Briand Pact.	

		7. Changes in society, 1924–29. Changes in the standard of living, including wages, housing, unemployment insurance. Changes in the position of women in work, politics and leisure. Cultural changes: developments in architecture, art and the cinema.	
7	Hitler's Rise to Power	8. Early development of the Nazi Party, 1920–22. Hitler's early career: joining the German Workers' Party and setting up Nazi Party, 1919–20. Early growth and features of the Party. Twenty-Five Point Programme. Role of the SA.	https://www.bbc.co.uk/bitesize/topics/zymqwxs
		9. The Munich Putsch and the lean years, 1923–29. Reasons for, events and consequences of the Munich Putsch. Reasons for limited support for the Nazi Party, 1924–28. Party reorganisation and Mein Kampf. The Bamberg Conference of 1926.	
		10. The growth in support for the Nazis, 1929–32. Growth of unemployment – its causes and impact. The failure of Weimar governments to deal with unemployment from 1929 to January 1933. Growth of support for the Communist Party. Reasons for the growth in support for the Nazi Party, including the appeal of Hitler and the Nazis, effects of propaganda and the work of the SA.	
		11. How Hitler became Chancellor, 1932–33. Political developments in 1932. Roles of Hindenburg, Brüning, von Papen, von Schleicher. Part played by Hindenburg and von Papen in Hitler becoming Chancellor in 1933.	
8	Hitler's Control and Dictatorship	12. The creation of a dictatorship, 1933–34. Reichstag Fire. Enabling Act and the banning of other parties and trade unions. Threat from Röhm and the SA, the Night of the Long Knives and death of von Hindenburg. Hitler becomes Führer, the army and oath of allegiance.	https://www.bbc.co.uk/bitesize/topics/zymqwxs
		13. Controlling and influencing attitudes. Goebbels and the Ministry of Propaganda: censorship, Nazi use of media, rallies and sport, including the Berlin Olympics of 1936.	
		14. Controlling and influencing attitudes Nazi control of culture and the arts, including art, architecture, literature and film.	
		15. The police state. Role of the Gestapo, SS, SD and concentration camps. Nazi control of the legal system, judges and law courts. Nazi policies towards the Catholic and Protestant Churches, including the Reich Church and the Concordat.	
		16. Opposition, resistance and conformity. Extent of support for the Nazi regime. Opposition from the Churches, including the role of Pastor Niemöller. Opposition from the young, including the Swing Youth and the Edelweiss Pirates.	
9	Life in Nazi Germany	17. The persecution of minorities. Nazi racial beliefs and policies and the treatment of minorities: Slavs, 'gypsies', homosexuals and those with disabilities.	https://www.bbc.co.uk/bitesize/topics/zymqwxs
		18. The persecution of minorities. Persecution of the Jews, including the boycott of Jewish shops and businesses (1933), the Nuremberg Laws and Kristallnacht.	
		19. Nazi policies towards women and the young. Nazi views on women and the family. Nazi policies towards women, including marriage and family, employment and appearance. Nazi aims and policies towards the young. Hitler Youth and the League of German Maidens. Nazi control of the young through education, including the curriculum and teachers.	

		20. Employment and living standards. Nazi policies to reduce unemployment, including labour service, autobahns, rearmament and invisible unemployment. Changes in the standard of living, especially of German workers. The Labour Front, Strength Through Joy, Beauty of Labour.	
10	Paper 2- American West Topic 1	Manifest Destiny and the pioneers. Concept of Manifest Destiny. Who were the pioneers? Why did they travel West?	https://www.youtube.com/watch?v=p4FKkwkoPpQ
		The Pioneers (II) Experience of the Pioneers. Case Study – The Donner Party, The Knight Family.	
		The Mormons Joseph Smith and the development of Mormonism. The search for a home. The journey the Great Salt Lake.	
		The Mormons (II) Settlement of SLC – problems and solutions. The Mormon War, 1957-58.	
		The Mountain Men Who were the Mountain men? Life of the Mountain Men Relationship with Plains Indians.	
		The Gold Rush The discovery of gold in 1848. Violence and racism in the mining towns.	
		Conflict and the Fort Laramie Treaty Negotiators and exterminators. Peace on the Plains Threats to peace on the Plains.	
11	American West Topic 2	The Civil War Causes and events of the Civil War. Consequences of the CW and reconstruction. Experience of African -Americans.	https://www.youtube.com/watch?v=p4FKkwkoPpQ
		The Transcontinental Railroad Development of the railroad. Pacific Railroad Act 1862 Impact of the railroad.	
		The Homesteaders Challengers faced by the Homesteaders. Solutions to the problems. Southern Homestead Act, Timber and Culture Act, Desert Land Act. The Role of women homesteaders.	

		The development of the Cattle industry The origins of the Cattle Industry in Texas. The development of cattle drives – including the Goodnight-Loving trail. The development of cow towns	
		The Open Range and life of cowboys The development of the Open Range. Who were the Cowboys? Roles on the cattle drive. The end of the open range and the decline of the Cattle industry.	
		Rivalry between cattle ranchers and homesteaders Reasons for conflict. The Johnson County War.	
		Crimes in the West. Reasons for lawlessness. Key figures and events – Billy the Kid; Gunfight at the OK Corral, the Lincoln County War.	
		How Wild was the West? The 'legend' of the West – dime novels; Buffalo Bill. Attempts to deal with lawlessness.	
12	American West Topic 3	Key battles of the Plains Wars (I). The 'cycle' of conflict on the Plains. Little Crow's War. The Cheyenne Wars The Sand Creek Massacre	https://www.youtube.com/watch?v=p4FKkwkoPpQ
		Key battles of the Plains Wars (II) Red Cloud's War The Great Sioux War	
		Little Big Horn Background and overview of the Battle. The roles of Custer, Reno and Benteen and Crazy Horse. The results of the Battle.	
		The destruction of the Indian Way of life. Resettlement The Dawes General Allotment Act. The extermination of the buffalo Destruction of culture through government policies – political, economic, religion, education.	
		The Ghost Dance and Wounded Knee. The Ghost Dance movement The Wounded Knee Massacre.	
		Why did the Indians lose the battle of the Plains? Review of whole topic. Factors in the loss of the Plains	

13	Early Elizabethan England 1558-1588 TOPIC 1	Intro to Elizabeth - Elizabeth's background (re-cap of religious changes), Interpretations of Elizabeth, Structure of society and government	Elizabeth I - GCSE History - BBC Bitesize
		Elizabeth's Problems – Identifying Elizabeth's problems when she came to the throne and discussion of possible and actual solutions: gender, marriage, illegitimacy, choosing advisors, religion, money, threats from abroad and peace & prosperity in England.	
		Religious Settlement – Re-cap of religious changes under Henry VIII, Edward VI and Mary I. Discussion of the features of the Act of Uniformity and Supremacy and which features would appeal to Catholics and Puritans.	
		Opposition to the Religious Settlement – Re-cap of the Acts of Uniformity and Supremacy. Puritan and Catholic opposition to the Religious Settlement: what both groups did and why,	
		Mary, Queen of Scots – background to the Scottish Queen, why she had a claim to the English throne and why she fled to England in 1568. Her relationship with Elizabeth and Elizabeth's options.	
14	Early Elizabethan England 1558-1588 TOPIC 2	The Revolt of the Northern Earls – Why did the revolt take place, what happened and how much of a threat was it to Elizabeth?	Elizabeth I - GCSE History - BBC Bitesize
		The Catholic Plots & and the execution of Mary Queen of Scots – What was the purpose of the Catholic Plots, what happened and how much of a threat were they to Elizabeth: The Ridolfi Plot (1571), The Throckmorton Plot (1583) and The Babington Plot (1586). How did Walsingham catch the plotters and how did it lead to Mary's execution?	
		Elizabeth and her foreign policy- relationship with Spain, France and the Netherlands. The role of Sir Francis Drake	
		The Spanish Armada: Causes – Reasons for the attempted invasion of England by Spain: Trade/commercial rivalry, religious rivalry, political rivalry and English involvement in the Netherlands.	
		The Spanish Armada: Defeat – the beginnings of the Armada and Drake's raid on Cadiz. Reasons for defeat: the Spanish Plan, English Tactics, Weather, Leadership and Resources.	
15	Early Elizabethan England 1558-1588 TOPIC 3	Sport, pastimes and the theatre – Leisure activities undertaken by the different classes in Elizabethan society. Importance of theatres in society.	Elizabeth I - GCSE History - BBC Bitesize
		Education – Discussion of whether opportunities for a better education increased under Elizabeth.	
		Poverty – Reasons for increased poverty/vagabondage: harvests and changes in farming, unemployment in industries, population increase, inflation and closing of monasteries. What were attitudes towards the poor? Details of the Vagabonds Act (1572) and Act for Relief of the Poor (1576).	
		Exploration – Reasons for growth of overseas exploration. Drake's circumnavigation: Drake's aims, ships and stages of voyage – significance?	
		Walter and Virginia – Raleigh's background and aims. The 1585 voyage and the 1587 voyage. Why did Raleigh's settlements in Virginia fail?	

Geography (AQA GCSE)

Note: Case Studies (places/examples) are in **bold**

		Small Steps	Resources links
1	**Paper 1 -** The challenge of natural hazards - Natural Hazards and Tectonic Hazards	I can describe the distribution of earthquakes and volcanoes.	https://www.internetgeography.net/aqa-gcse-geography/the-challenge-of-natural-hazards/ https://www.bbc.co.uk/bitesize/topics/zcdrbk7
		I explain the differences between destructive, constructive and conservative plate margins.	
		I know the main features of an earthquake and two different ways of measuring earthquakes.	
		Using named examples of a tectonic hazard in both HIC(Chile earthquake) and LIC (Nepal earthquake) I can: (1) Explain why the tectonic hazard happened there, (2) Describe the effects that resulted from the earthquakes both primary and secondary. (3) Describe what was done after the earthquake (responses), both immediate and in the long.	
		I can explain why people continue to live in areas at risk of tectonic hazards.	
		I can explain how monitoring, planning and prediction of tectonic hazards can reduce their effects.	
2	**Paper 1 -** The challenge of natural hazards - Weather and Climate Hazards	I can describe the global atmospheric circulation model.	https://www.internetgeography.net/aqa-gcse-geography/the-challenge-of-natural-hazards/ https://www.bbc.co.uk/bitesize/topics/zcdrbk7
		I can explain how the global atmospheric circulation model affects weather around the world.	
		I can describe the distribution of tropical storms.	
		I can explain the causes of a tropical storm.	
		Using a named example (Typhoon Haiyan), I can describe and explain the primary and secondary impacts of tropical storms. I can assess and evaluate methods of responses tropical storms in both the long and the short-term using a named example (Typhoon Haiyan).	
		I can explain how tropical storms might be affected by global warming.	

		I can explain how monitoring, planning and prediction of tropical storms can reduce their effects.	
		I can explain the cause of an extreme weather event using an example (Somerset Levels Floods). **I can describe and expel the social, economic and environmental using an example (Somerset Levels Floods).**	
		I can identify evidence of the weather becoming more extreme using an example.	
		I can explain how extreme events can be managed to reduce the impacts.	
		I can assess and evaluate the impact that weather conditions have upon people homes, lives, agriculture, health and transport.	
		I can explain the evidence both for and against climate change.	
		I can explain both the natural and human causes of climate change.	
		I can assess and evaluate the economic, social, environmental and political impacts of climate change both on the world and the UK.	
		I can describe and evaluate the mitigation strategies used to reduce the impact of global climate change on a local, national and international level.	
		I can describe and evaluate the adaption strategies used to reduce the impact of global climate change on a local, national and international level.	
3	**Paper 1** - The living world - Biomes and Tropical Rainforest	**Using an example(a pond) I can explain the interrelationship within a small-scale system.**	https://www.internetgeography.net/aqa-gcse-geography/the-living-world/
		I can define and give examples of producer's consumers, decomposer, food chain, food web and nutrient cycle	
		I can explain their interdependence of each of the above and explain how changes might affect each other.	https://www.bbc.co.uk/bitesize/guides/zwh9j6f/revision/1
		I can describe the distribution and characteristics of global ecosystems (biomes) around the world. E.g. Savanna, hot desert, TRF	
		I can describe the physical characteristics of the tropical rainforests	https://www.bbc.co.uk/bitesize/guides/zx8n39q/revision/1
		I can explain the interdependence of the climate, water, soils, plants, animals and people in a tropical rainforest	
		I can explain how plants and animals have adapted to the physical conditions of tropical rainforests.	
		I can describe and explain the problems and issues with changing biodiversity within the tropical rainforest.	
		I can describe and explain the changing rates of deforestation.	

I can use a case study (Malaysia) to explain the causes of deforestation 1. Subsistence and commercial farming, 2. Logging, 3. Road Building 4. Mineral Extraction 5. Energy Development, 6. Settlement Population Growth
I can use a case study (Malaysia) to explain the impacts of deforestation 1. Economic development 2. Soil erosion, 3. Contribution to climate change.
I can explain the importance and value of the tropical rainforest on a local, national and international scale.
I can explain why it is important the tropical rainforest should be managed sustainably.
I can explain how the tropical rainforest can be managed sustainably using a range of methods 1. Selective logging and replanting 2. Conservation and education 3. Ecotourism 4. International agreements about the use of tropical hardwoods, 5. Debt reduction.

4	**Paper 1 -** The living world - Hot deserts	I can describe the physical characteristics of the hot desert	https://www.internetgeography.net/aqa-gcse-geography/the-living-world/ https://www.bbc.co.uk/bitesize/guides/zpnq6fr/revision/1
		I can explain the interdependence of the climate, water, soils, plants, animals and people in a hot desert	
		I can explain how plants and animals have adapted to the physical conditions of hot deserts	
		I can use a case study (Thar desert) to explain the causes of desertification 1. Subsistence and commercial farming, 2. Mineral Extraction 3. Energy Development 4. Farming Tourism	
		I can use a case study (Thar desert) to explain the challenges of desertification 1. Extreme temperature 2. Water supply 3. Inaccessibility	
		I can explain the opporunities for development of the Thar Desert, including: 1. Mineral extraction 2. Farming 3. Energy production 4. Tourism	
		I can explain the challenges for development of the Thar Desert, including: 1. Extreme temperatures 2. Low rainfall totals	
		I can explain a how desertification can be managed using:	

		1. Water and soil management 2. Tree planting 3. Using appropriate technology	
	Paper 1 - Physical landscapes in the UK - Coastal Landscapes	I can describe and explain the different types of waves	https://www.internetgeography.net/aqa-gcse-geography/physical-landscapes-in-the-uk/
		I can name and explain the four processes of erosion	
		I can name and explain the processes of weathering	https://www.bbc.co.uk/bitesize/topics/zs3ptyc
		I can name and explain the processes of mass movement	
		I can describe erosional landforms and the sequence of (arch, caves, stacks, stump, wave cut platforms, wave cut notch) are formed.	
		I can describe and explain the process of mass movement and slumping	
		I can explain, using an example (St Ives Bay or Holderness), how erosion and deposition will impact on the people and the environment at the coast.	
		I can describe the processes of transportation in the coastal zone. (Longshore drift and traction, saltation, suspension and solution)	
		I can explain the reasons why sediment is deposited on the coast.	
		I can explain how depositional landforms (beaches, spit and bars) are formed.	
		I can describe and explain methods of hard and soft engineering using an example (Mounts Bay or Holderness).	
		I can evaluate the cost and benefits of hard and soft engineering using an example (Mounts Bay or Holderness).	
		I can explain why people have different views about the way the coast in managed and the conflicts this may cause using an example (Mounts Bay or Holderness).	
		I can identify on an OS map all of the coastal landforms and use 4 & 6 fig grid references to locate them on a map	
6	**Paper 1 -** Physical landscapes in the UK - River Landscapes	I can describe how a rivers long profile and cross profile varies over its course	https://www.internetgeography.net/aqa-gcse-geography/physical-landscapes-in-the-uk/
		I can explain how vertical and lateral erosion changes the cross profile of a river	
		I can explain the four processes of erosion	https://www.bbc.co.uk/bitesize/topics/zpypgdm

		I can describe the four processes of transportation in a river	
		I can explain the reasons why a river deposits its eroded material	
		I can explain how interlocking spurs, waterfalls & gorges are formed	
		I can explain that meanders are formed by erosion & deposition	
		I can describe an Ox Bow Lake and explain how they form from meanders	
		I can explain how a flood plain, levee and estuaries are formed	
		I can use an example (River Tees) of a river valley to demonstrate my understanding of the erosional and depositional landforms	
		I can explain how physical and human factors affect the risk of flooding including precipitation, geology, relief and land use.	
		I can explain what river discharge means & how it is shown on a hydrograph	
		I can explain at least 4 factors (things!) that will either increase or decrease river discharge	
		I can explain how hard engineering can reduce the risk of flooding or the effects of flooding	
		I can explain how soft engineering can reduce the risk of flooding or the effects of flooding	
		Using an example (Boscastle) I can explain 1. Why the scheme was required 2. How the area was managed 3. The social, environmental and economic issues.	
		I can identify on an OS map all of the river landforms and use 4 & 6 fig grid references to locate them on a map.	
7	**Paper 2** - Urban issues and challenges - Case study of city in LIC or NEE – Rio de Janeiro	I know what a megacity is and why urbanisation is happening fastest in LICs	https://www.internetgeography.net/aqa-gcse-geography/urban-issues-and-challenges/
		I can explain why Rio de Janeiro is important nationally and internationally and how Rio de Janeiro has grown	
		I can explain, analyse and evaluate the opportunities in Rio de Janeiro including: 1. Access to services – health 2. Access to services - education 3. Access to resources - water supply 4. Access to resources - energy 5. How urban industrial areas can promote economic development	

		I can explain, analyse and evaluate the challenges in Rio de Janeiro including: 1. Managing urban growth – slums, squatter settlements 2. Clean water, sanitation systems and energy 3. Access to services – health and education 4. Unemployment and crime 5. Managing environmental issues – waste disposal, air and water pollution, traffic congestion.	
		I can explain and evaluate how Rio de Janeiro can plan to improve the quality of lives for the urban poor.	
8	**Paper 2 -** Urban issues and challenges - Case study of UK city - Bristol and sustainable city Freiburg	**I can explain why Bristol is important nationally and internationally**	https://www.internetgeography.net/aqa-gcse-geography/urban-issues-and-challenges/
		I can explain why and how Bristol has grown	
		I can explain the impact of national and international migration on the growth and character of the Bristol.	
		I can explain, analyse and evaluate the opportunities in Bristol including: 1. Cultural mix 2. Recreation 3. Entertainment 4. Employment 5. Integrated transport systems 6. Urban greening	

		I can explain, analyse and evaluate the challenges in Bristol including: 1. Inequalities in housing, education and employment. 2. Urban deprivation 3. Dereliction of buildings 4. Building on brown and greenfield sites. 5. Water disposal 6. Urban sprawl on the rural – urban fringe and of commuter towns	
		I can explain, analyse and evaluation the how Bristol has undergone regeneration (**Temple Quarter Regeneration).**	
		I can describe how people can live more sustainably in **Freiburg.**	
		I can explain how sustainable urban living can conserve water and energy, recycle waster and create more green space.	
		I can explain how urban transport strategies are used to reduce traffic congestion.	
	Paper 2 - The changing economic world - The Development Gap	I can evaluate the use of different developmental indicators, includging: 1. GNI per capita 2. Human Development Index 3. Literacy rate 4. Life expectancy 5. Infant Mortality Rate	https://www.internetgeography.net/topics/the-changing-economic-world/
		I can use the Demographic Transition Model to explain the link between changing population structure and level of development.	
		I can explain the causes of uneven development: 1. Physical 2. Economic 3. Historical	

		I can explain the impacts of uneven development on people I can explain how the development gap can be reduced looking at: 1. Investment 2. Industrial development and tourism 3. Aid 4. Using intermediate technology 5. Fairtrade 6. Debt relief 7. Microfinance loans.	
		I can use an example to show how tourism in an LIC can help to reduce the development gap	
10	**Paper 2** - The changing economic world - Case study of the LIC or NEE – Nigeria	**I can explain why Nigeria is important within Africa and internationally**	https://www.internetgeography.net/topics/the-changing-economic-world/
		I can describe the political, social and culture contact of Nigeria within a world context.	
		I can describe the changing industrial structure within in Nigeria.	
		I can explain how manufacturing can stimulate economic growth in within Nigeria.	
		I can define a Transnational Corporation (TNC) using a case study of Shell and Unilever.	
		I can explain the advantaged and disadvantages of TNCS to Nigeria.	
		I can describe how Nigeria's politics and trading relationship have changed over time.	
		I can describe what aid is where is comes from using a case study (Aswan Health Centre).	
		I can explain what aid Nigeria has received and how it has impacted upon the country using a case study.	

		I can explain and evaluation the environmental impacts of economic development.	
		I can explain and evaluation impacts of economic development on the population of Nigeria.	
11	**Paper 2** - The changing economic world - Case study - economy of the UK	I can explain why deindustrialisation has occurred in the UK	https://www.internetgeography.net/topics/the-changing-economic-world/
		I can explain the advantages and disadvantages of the UK move in the tertiary sector (post-industrial economy)	
		I can explain, using an example, how modern industry can reduce its impact upon the environment and become more sustainable. **Torr Quarry, Somerset**	
		I can explain, using an example, the social and economic impacts of population growth on a rural landscape. **(Cambridgeshire)**	
		I can explain, using an example, the social and economic impacts of population decline on a rural landscape. **(Outer Hebrides)**	
		I can describe and explain the impact or transport developments in road, rail, port and airports. **(Liverpool 2, new runway at Gatwick)**	
		I can describe the North – South divide in the UK.	
		I can evaluate and explain the strategies use to solve regional differences within the UK.	
		I can examine the global links made with the wider world through trade, culture, increased communication, economics and political groupings such as the commonwealth and the European Union.	
12	**Paper 2 –** The Challenge of Resource Management Core content	I can describe the importance of food, water and energy to the economic and social wellbeing.	https://www.bbc.co.uk/bitesize/guides/zywpg82/revision/1
		I can describe and explain the distribution of resources around world and the UK.	
		Food in the UK: • I can explain why food miles are increasing in the UK. • I can explain how food miles can be reduced in the UK. • I can describe the different industries involved in agriculture (agribusiness) and explain how they are changing in the UK.	https://www.internetgeography.net/aqa-resource-management/
		Water in the UK: • I can explain the changing demand for water in the UK. • I can describe the problems with water quality and pollution in the UK and how they can be managed. • I can explain how the UK is trying to manage water to meet supply and demand.	
		Energy in the UK: • I can describe the UKs energy mix and how it has changed over time.	

		• I can explain how the UK can reduce its reliance on fossil fuels. • I can describe and explain the economic and environmental issues with exploitation of energy sources.	
13	**Paper 2 –** The Challenge of Resource Management **Water: Q5**	I can describe the global distribution of water resources both surplus and deficit	https://www.bbc.co.uk/bitesize/guides/zgx382p/revision/1
		I can explain why water consumption is increasing	
		I can explain and evaluate the different factors which effect water availability including: • Climate • Geology • Pollution of supply • Over-abstraction • Limited infrastructure • Poverty.	
		I can analyse the impacts of water insecurity including: • Waterborne disease • Water pollution • Food production • Industrial output • The potential for conflict where demand exceed supply.	
		I can explain and evaluate how water supplies can be managed to increase supply in certain areas	
		I can use an example **(Lesotho Highland Water Project**) to show how managing water through large scale transfers schemes has both advantages and disadvantages	
		I can explain how water resources can be managed sustainably	
		I can use an example of a local scheme **(Wakel River Basin Project)** which has managed water sustainably to increase water supplies.	
14	**Paper 3** - Unfamiliar fieldwork	I can suggest suitable fieldwork questions and complete risk assessments	https://www.bbc.co.uk/bitesize/guides/zqk7nbk/revision/1 https://www.bbc.co.uk/bitesize/guides/z3jbdmn/revision/1 https://www.bbc.co.uk/bitesize/guides/z2qpg82/revision/1 https://www.bbc.co.uk/bitesize/guides/zyhd6fr/revision/1 https://www.bbc.co.uk/bitesize/guides/z3qrj6f/revision/1
		I can compare different data (qualitative, quantitative, primary, secondary), sampling techniques (random, stratified, systematic) and measures of central tendency (mean, median, mode)	
		I can suggest suitable data collection methods	
		I can justify suitable presentation methods	
15	**Paper 3** - Issue Evaluation	Due for release March 2026. Information not available at the time of printing.	

French (AQA GCSE)

		Small Steps	Resources links
	General Revision Tips	Try these links for language skills - if there is a skill you feel you are behind the others on, it's a good idea to practise that one more. These also cover a number of the basics that you first learned back in year 7 and are well worth going over to ensure you pick up the little points here and there. These are numbers, colours, days, months, animals etc. Remember, when producing French in speaking or writing, to cover who, what, where, why and when each time. For a grade 5+, include 3 clauses (verbs) for every point you are making)	NEW GCSE FRENCH RESOURCES (FREE) for Teachers & Students GCSE French - AQA (for exams from 2026) - BBC Bitesize https://uk.language-gym.com
1	Identity and relationships with others	Talk about myself and my family in French.	Identity and relationships - GCSE French - BBC Bitesize Identity and relationships with others - GCSE French - BBC Bitesize
		Possessive adjectives to say 'my brother', etc.	
		Conjugate the verb être in the present tense.	
		Present tense of être give physical descriptions of family members and friends.	
		Present tense of être give personality descriptions of family members and friends.	
		Give my opinion about family and friends	
		Justify my opinion about a family member or friend with a reason and a variety of connectives (parce que, mais, cependant...)	
		Variety of conjunctions (because, therefore, such as, but, however...) to give extra detail about friends and family.	
		Variety of negative expressions to say what family and friends are not like or don't do.	
		Describe and explain the traits of a good/bad friend.	
		Reflexive verbs to talk about my daily routine.	
		Describe my relationship with another person (je m'entends bien/mal avec... car...)	
2	Education and work	Describe life at school in French	Education and work - GCSE French - BBC Bitesize
		Talk about school timetables and rules in French.	
		Talk about school subjects in French, expressing my preferences using opinions and reasons and comparisons.	

		Talk about future education choices and employment	
		Describe jobs and work routines.	
3	Free time activities	Describe free time activities, including when, how, often, who with and where, using aller in the past, present and future.	Free time activities - GCSE French - BBC Bitesize Description of a typical daily routine - Daily routine and future plans: Video playlist - BBC Bitesize
		Direct object pronouns with the verbs écouter, regarder and entendre (to hear) to describe entertainment in French.	
		Describe personal activities and interests in French, using 'jouer' and 'faire'	
		Talk about shopping in French, using demonstrative and interrogative adjectives to talk about items I wish to buy.	
		Say what is wrong with an item I have bought.	
		Say what I would buy next time.	
4	Customs, festivals and celebrations	Talk about festivals, customs and celebrations inFrench, using the present tense to say what normally happens.	Customs, festivals and celebrations - GCSE French - BBC Bitesize Describing customs and traditions in French - Travel, tourism and culture: Video playlist - BBC Bitesize
		Describe religious festivals and celebrations in French, using the he, she and they forms of the verb.	
		Describe family traditions and celebrations in French, using the perfect tense to talk about what happened last time.	
5	*Travel, tourism and places of interest*	Describe tourist attractions in French, using modal and impersonal verbs in the past, present and future.	Describing travel and tourism in French - Travel, tourism and culture: Video playlist - BBC Bitesize Travel, tourism and places of interest - GCSE French - BBC Bitesize
		Describe holiday accommodation in French, using the past, present and conditional tenses	
		Prepositions to describe transport and travel options in the past, present and future tenses.	
		Talk about eating out in French, using partitive articles (some, any) to describe food and drink.	
		Describe countries and their features in French, using prepositions of place.	
		Give my opinion, with a reason and make comparisons between holidays, places and activities.	
6	Media and technology	Describe digital media in French.	Media and technology - GCSE French - BBC Bitesize
		Give the pros and cons of the media and technology that I use.	
		Talk about risks to young people of modern technology and social media.	
		Perfect tense to describe how I have used media and technology before.	
		Future tense to say how I will change my use of social media in the future.	

		Time phrases, frequency phrases and sequencers to describe my use of technology.	
7	The environment and where people live	Prepositions 'en', 'à', and 'y' to talk about my local area.	The environment and where people live - GCSE French - BBC Bitesize The environment and where people live - GCSE French - BBC Bitesize
		Possessive adjectives to describe where people live.	
		Modal and impersonal verbs to describe environmental issues and possible solutions.	
		Perfect tense to say what I have done to help the environment.	
		Say what people should do to help the environment.	
		Future tense to say what I am going to do to make a difference.	
		Describe a variety of issues in society and offer solutions.	
8	Healthy living and lifestyle	Talk about healthy living and lifestyle in French.	Healthy living and lifestyle - GCSE French - BBC Bitesize
		Describe my healthy and unhealthy habits, and those of others using the present and imperfect tenses to say what I do now v what I used to do.	
		Describe healthy food and drink with expressions of quantity and frequency.	
		Describe illnesses and health conditions as well as offer solutions, using 'avoir' and 'prendre'.	
9	Celebrity culture	Say who my favourite celebrities and role models are and why	Celebrity culture - GCSE French - BBC Bitesize
		Impersonal verbs to describe the advantages and disadvantages of celebrity culture in French.	
		Form questions to find out about celebrity culture.	
		Use the comparative and superlative to describe celebrities and role models.	
10	Grammar	Gender of nouns in French.	Gender, nouns and articles - GCSE French - BBC Bitesize Adjectives and adverbs - GCSE French - BBC Bitesize Pronouns - GCSE French - BBC Bitesize Prepositions - GCSE French - BBC Bitesize Present tense verbs - GCSE French - BBC Bitesize Past tense verbs - GCSE French - BBC Bitesize
		Making nouns plural.	
		Definite (le) and indefinite (un) articles in their masculine, feminine and plural forms.	
		Partitive (some/any) article in French.	
		Gender and number agreement of adjectives in French (m/f/pl)	
		Position adjectives in the sentence, in relation to the noun it describes.	
		Comparatives and superlatives, with the correct adjectival agreements	
		Variety of possessive adjectives (my, your, his...)	
		Demonstrative adjectives (ce, cet, ces – meaning this, that, these)	

Interrogative adjectives in French (which/what)	Future and conditional verbs - GCSE French - BBC Bitesize
Indefinite and negative adjectives in French (each, many, some, all, none)	
Adverbs in French to describe how something is done	Using the imperative in French - BBC Bitesize
Questions words to form questions in French (qui, que, qu'est-ce que, où, pourquoi, quand, comment, combien)	Infinitives - GCSE French - BBC Bitesize
Subject pronouns in French (je, tu, il, elle, on, nous, vous, ils, elles)	
Direct object pronouns (me, te, le/la, vous)	Using impersonal verbs and expressions in French - BBC Bitesize
Emphatic pronouns (moi, toi)	
Indirect object pronouns	Using the passive in French - BBC Bitesize
Reflexive pronouns and verbs in 3 tensesl	
Adverbial pronouns 'y' - there, and 'en' - some of it	How to ask questions in French - BBC Bitesize
Relative pronouns in French (qui, que)	
Prepositions of place (in, on, under etc.)	Using negative forms in French - BBC Bitesize
To (à) and of (de) and combine them with le/la/les etc correctily (au, du)	
De to show possession (the book of my sister = my sister's book)	Using prefixes and suffixes - GCSE French - BBC Bitesize
Pour and sans with an infinitive to mean 'in order to' or 'without' doing something	
Avant de and après avoir + infinitive to mean 'before doing' or 'after having done' something	
Present tense of regular –er, -ir and –re verbs to say what I do or am doing	
Present tense of irregular verbs, in particular 'aller', 'être', 'faire' and 'avoir'.	
Present tense of reflexive verbs to say what I do to myself (je me lève)	
'Depuis' + the present tense to say how long I have been doing something	
Present participle which translates as 'ing' ending	
Perfect tense for verbs that use avoir, to say describe a completed action in the past.	
Perfect tense for verbs that use être (MRS VAN DER TRAMP – verbs of movement), ensuring that the past participle agrees in number and gender with the person who did the verb	
Imperfect tense to say what used to happen or give a description in the past, including the weather	

Near future tense in French, using the present tense of the verb aller + infinitive, to say what is going to happen
Simple future tense in French, using the infinitve + future endings, to say what will happen
Conditional tense in French, using the infinitive + imperfect endings, to say what would happen
Imperative in the vous form (ez) to give intructions
We form of the imperative (-ons ending) to say 'let's do something'
Infinitive form of the verb and know that it means to do something
'Je suis en traîn de + infinitive' to say what I am in the process of doing
'Je viens de + infinitive' to say what I have just done
Impersonal verbs to say that it is + adjective + infinitive (it is important to etc.)
Questions
A variety of negative verb structures

Hospitality and Catering (WJEC, vocational)

		Small Steps	Resources links
1	Food Standards and Ratings	Do you know the food standards and methods of rating foods	Resource WJEC Educational Resources Website
2	Types of Hospitality and Catering provisions	Why are some types of Hospitality and Catering better than others	Resource WJEC Educational Resources Website
3	Types of service in commercial and non-commercial provisions	What are the different types of service and why is this important	Resource WJEC Educational Resources Website
4	Types of employment roles and responsibilities within the industry	What are the different employment roles and their function in the Hospitality and Catering industry	Resource WJEC Educational Resources Website
5	Working conditions in the hospitality and catering industry	What are the expected level of conditions for working in the Hospitality and Catering industry	Resource WJEC Educational Resources Website
6	Health and safety in hospitality and catering provisions	What are the H&S rules and regulations in the Hospitality and Catering industry	Resource WJEC Educational Resources Website
7	Food safety	How do you keep yourself and customers safe	Resource WJEC Educational Resources Website
8	Contributing Factors to the success of hospitality and catering provision	What makes a good Hospitality and Catering venue	Resource WJEC Educational Resources Website
9	The operation of front and back of house	What are the names of the front and back of house positions and what are their main duties	Resource WJEC Educational Resources Website
10	The operation of kitchen	What is the staffing structure and what equipment might you might find	Resource WJEC Educational Resources Website
11	Food related causes of ill health	What causes food related illness	Resource WJEC Educational Resources Website

12	Symptoms and signs of food-induced ill-health	What are the symptoms of food related illness	Resource WJEC Educational Resources Website
13	Preventative control measures of food-induced ill-health	What preventative measures can you take to control food related illness	Resource WJEC Educational Resources Website
14	The Environmental Health Officer	What are the role and responsibilities of the venue and the environmental health officer.	Resource WJEC Educational Resources Website

Travel and Tourism (BTEC)

		Small Steps	Resources links
1	Factors influencing global travel & tourism	What are the factors that influence global travel & tourism	https://www.youtube.com/watch?v=vhVoTp-JHrs https://www.youtube.com/watch?v=Iy40ueSMzv8
2	Economic factors	How do economic factors influence travel & tourism?	Effects of a recession: What is a recession? | CNBC Explains - YouTube Effects of economic growth/employment: Why does economic growth matter? - YouTube Impacts of exchange rates: Inbound Tourism Trends Quarterly (visitbritain.org)
3	Political factors	What role do politics play on travel & tourism?	Rising fuel costs: How Have Fuel Prices Affected the Airline Industry? (theclassroom.com) France: Authorities ban tourists without Covid booster jab from entering the country | Travel News | Travel | Express.co.uk Express article – France makes entry illegal without a Covid booster jab Entry requirements - USA travel advice - GOV.UK (www.gov.uk) - USA visa requirements The Capitol Riots: An Hour-By-Hour Timeline - YouTube The Capitol Riots (USA) Flybe: What is air passenger duty? - BBC News Air Passenger Duty New plan to drive rapid recovery of tourism sector - GOV.UK (www.gov.uk) Gov.UK new plan to drive rapid recovery of tourism sector
4	Natural factors	How can natural disasters influence travel and tourism?	Venice floods can't stop tourists from visiting stores, restaurants - YouTube
5	Media factors	What role can the media play in influencing travel & tourism?	https://www.youtube.com/watch?v=Ey-cW2St9B4
6	Safety, security & health risk factors	What role does feeling safe have on travel & tourism?	Foreign travel advice - GOV.UK (www.gov.uk).
7	Response to factors	How do stakeholders respond to these factors?	public, private and voluntary sectors e.g., Private and Public Sector Organisations - YouTube (private and public sector organisations) and Charities and 3rd Sector General definition - YouTube (voluntary sector organisations).
8	Impacts of tourism	Can travel & tourism be a force for good?	https://www.youtube.com/watch?v=nyi8UbOGHr8&t=100s https://www.youtube.com/watch?v=u-Ri5-NhtEc
9	Sustainable tourism	Can travel & tourism be sustainable?	https://www.youtube.com/watch?v=kgAHZHkMTQU

10	Managing sociocultural impacts	How do we manage the impacts?	https://www.youtube.com/watch?v=k34sY-npVg0&t=25s Why Tourism Planning Is Important - YouTube
11	Managing economic impacts	How do we manage the economical impacts?	https://www.youtube.com/watch?v=nyi8UbOGHr8&t=100s
12	Managing environmental impacts	How should we manage the environmental consequences?	https://www.youtube.com/watch?v=izSDxMHUo9Q&t=43s https://www.youtube.com/watch?v=Kdi8uccHTXY Destination Management Plans - YouTube
13	Tourism development	How does tourism develop?	Butler's Tourism Area Lifecycle Model Made SIMPLE - YouTube.
14	Role of local & national governments in tourism development	What role does local and national governance play?	Tourism | Mediterranean Spain | Mature Tourist Destinations (geographyfieldwork.com) Tourism and the Butler Model in Sitges and Calafell (geographyfieldwork.com)
15	Importance of partnerships in destination management	Why are partnerships important?	Scottish Government outlines new plan for 2020-2021 | Scottish Tourism Alliance, BEST' Plan – A Stimulus Package for the Barbados Tourism Sector – CARICOM Today

Sport (BTEC)

		Small Steps	Resources links
1	Components of Fitness	Define the Physical Components of Fitness Define the Skill related Components of fitness Give sporting examples for each component of fitness	https://www.youtube.com/watch?v=votc_Gdfo4c
2	Principles of Training	Identify and explain the FITT Principles of Training Identify and explain the Additional Principles of Training Give examples of how these are applied	https://quizizz.com/admin/quiz/5dd67ac7f91a94001c310443/principles-additional-principles-of-training https://www.youtube.com/@thepeclassroom5215/videos
3	Exercise Intensities	Explain the calculation for maximum Heart Rate Recall the Borg Scale calculation and explain how this measures Heart Rate Explain ways to monitor Heart Rate Give the % for the Aerobic Training Zone and the Anaerobic Training Zone Explain why you need to train in the correct zone Explain how to calculate 1RM for Strength and 15RM for Muscular Endurance	https://www.youtube.com/watch?v=Q4fNBk7TM7Y&list=PL2VOuuWnbIB3eZFUtoGk5oYsLNCM0H8Cn&index=3 https://www.youtube.com/watch?v=vUe_uAP4eFQ&list=PL2VOuuWnbIB3eZFUtoGk5oYsLNCM0H8Cn&index=4 https://www.youtube.com/watch?v=ahOGFYb35ZY
4	Fitness Testing	Explain the reasons for Fitness Testing Explain the pre-test procedures for Fitness Testing Explain factors affecting reliability	https://www.youtube.com/watch?v=fFTYMDyLHJ4&list=PL2VOuuWnbIB3eZFUtoGk5oYsLNCM0H8Cn&index=5 https://www.youtube.com/watch?v=naW6O2h3ya4&list=PL2VOuuWnbIB3eZFUtoGk5oYsLNCM0H8Cn&index=11
5	Fitness Testing for Components of Physical Fitness	Aerobic Endurance: Multi stage Fitness Test, Yo-Yo Test, Harvard Step Test and 12minute Cooper Run/Swim Body Composition: Body Mass Index (BMI)/ Bioelectrical Impedance Analysis (BIA)/ Waist to hip ratio	https://youtube.com/playlist?list=PLf1O7cS7eSWCwQNfGldgDGUehw37Z2Kqw&si=bcZFLjeXsjgb9B5m
6	Fitness Testing for Components of Physical Fitness	Muscular Endurance: One-minute press-up/ One-minute Sit-up/ Timed plank test Flexibility: Sit and Reach test/ Calf muscle flexibility test/ Shoulder flexibility test Speed: 30m Sprint test/ 30m flying sprint Muscular Strength: Grip dynamometer/ 1 Rep Max.	https://youtube.com/playlist?list=PLf1O7cS7eSWCwQNfGldgDGUehw37Z2Kqw&si=bcZFLjeXsjgb9B5m
7	Fitness Testing for Components of Skill Related Fitness	Agility: Illinois Agility run test/ T Test Balance: Stork stand test/ Y Balance Test Co-ordination: Alternate-hand Wall-toss test/ Stick flip coordination test Power: Vertical Jump test/ Standing broad jump/ Margaria-Kalamen Power test Reaction Time: Ruler drop test/ Online reaction time test	https://quizizz.com/admin/quiz/5bd2d5edfce78a001b0cdad9/fitness-tests?isSuperRecommeded=false
8	Training Methods for Physical Components of Fitness	Training Methods for Aerobic Endurance (Continuous, Fartlek, Interval, Circuit) Training Methods for Flexibility (Static Active Stretching, Static Passive Stretching, PNF Stretching)	https://youtu.be/xRN1g_vfDDw?si=A4QVsQLGNhCR6oPa https://youtu.be/H5QOVSsKH9Y?si=dOpKAG0QxpAO

			pa_O https://youtu.be/X4BOxPVpqyA?si=nADYBc9sV9jgqSV4 https://youtu.be/biY_F3-w6p4?si=m67J-r0L7XWkyyL8
9	Training Methods for Physical Components of Fitness	Training Methods for Muscular Endurance (Free Weights and Fixed Resistance Machines, Circuit Training) Training Methods for Muscular Strength (Free Weights and Fixed Resistance Machines) Training Methods for Speed (Acceleration Sprints, Resistance Drills)	https://youtu.be/hn0hc5BkO3g?si=4sDcjf-qMAVVG5K4 https://youtu.be/q6e2msgP2wg?si=up84wjYqlyd55bVW
10	Training Methods for Skill Related Components of Fitness	Training Methods for Agility (SAQ) Training Methods for Power (Plyometrics) Training Methods for Balance Training Methods for Co-ordination Training Methods for Reaction Time	https://youtu.be/vSzHLc-Br1Y?si=b5j-hq4gxC0YHbIZ
11	Training Provision	Types of Provision for Fitness Training (Public, Private, Voluntary) Advantages and Disadvantages of Each	https://youtu.be/SpqdJHHunDg
12	Effects of Exercise	Effects of Long-Term Exercise on the Body Systems: Aerobic Endurance Training Muscular Endurance Training Flexibility Training Muscular Strength and Power Training Speed Training	https://www.youtube.com/watch?v=-QF7JlPZ8q4
13	Motivation Factors	Definition of Motivation Types of Motivation (Extrinsic and Extrinsic) Benefits of Motivation on the Sports Performer	https://www.youtube.com/watch?v=WhQu-L3VhIU&list=PL2VOuuWnbIB3eZFUtoGk5oYsLNCM0H8Cn&index=6 https://www.youtube.com/watch?v=bwGoAkQuMFI&list=PL2VOuuWnbIB3eZFUtoGk5oYsLNCM0H8Cn&index=8
14	Motivation Factors	Goal Setting SMARTER Targets Influence of Goal Setting on Motivation	https://www.youtube.com/watch?v=Q5SB3JMJ_kk
15	Training Programme Design	Personal Information Needed for Training Programmes Applying Principles of Training	https://www.bbc.co.uk/bitesize/guides/z2r34j6/revision/1

Health and Social Care (BTEC)

		Small Steps	Resources links
1	Factors Affecting Health and Wellbeing	Definition of Health and Wellbeing Physical Ill Health - Explain what these are and how these can impact health and wellbeing (Cardiovascular Disease, Obesity, Diabetes)	https://www.youtube.com/watch?v=iP1qwexp8C8&list=PLp8BSCLLWBUA-4mj_vxoHdCkAQYth_PbR&index=2
2	Physical Factors Affecting Health and Wellbeing	Explain the different Inherited Conditions and how they can impact health and wellbeing (Sickle Cell Disease, Cystic Fibrosis)	https://www.nhs.uk/conditions/sickle-cell-disease/ https://www.nhs.uk/conditions/cystic-fibrosis/
3	Physical Factors Affecting Health and Wellbeing	Explain the different Mental Ill Health issues and how they can impact health and wellbeing (Anxiety, Stress)	Revision Guide
4	Physical Factors Affecting Health and Wellbeing	Explain Sensory Impairments and Physical Disabilities and how they can impact health and wellbeing	Revision Guide
5	Lifestyle Factors Affecting Health and Wellbeing	Nutrition, Physical Activity, Smoking, Alcohol, Substance Misuse Explain each and how they can have a positive/ negative impact on health and wellbeing	https://www.bbc.co.uk/bitesize/guides/zxj87hv/revision/3
6	Social Factors Affecting Health and Wellbeing	Explain each and how they can have a positive/ negative impact on health and wellbeing Supportive and unsupportive relationships with others (Friends, family, peers) Social inclusion and exclusion Bullying Discrimination	Revision Guide
7	Cultural Factors Affecting Health and Wellbeing	Explain each and how they can have a positive/ negative impact on health and wellbeing Religion Gender Roles and expectations Gender Identity Sexual Orientation Community Participation	Revision Guide
8	Economic Factors Affecting Health and Wellbeing	Explain each and how they can have a positive/ negative impact on health and wellbeing Employment Situation Financial Resources - Income, Inheritance, Savings	Revision Guide
9	Environmental Factors Affecting Health and Wellbeing	Explain each and how they can have a positive/ negative impact on health and wellbeing Housing needs, condition, location Home environment Exposure to Pollution (Air, noise, light)	Revision Guide
10	Interpreting Health Indicators	Resting Heart Rate Blood Pressure Body Mass Index (BMI) Significance of Abnormal Readings	Revision Guide

11	Published Guidelines on Lifestyle Indicators	Nutrition - Eatwell Guide Physical Activity - UK Chief Medical Officers' Physical Activity Guidelines Smoking - UK Chief Medical Officers' Smoking Guidelines Alcohol - UK Chief Medical Officers' Alcohol Guidelines	Revision Guide
12	Person Centred Approach to Health and Social Care	How the person-centred approach takes into account an individual's needs, wishes and circumstances The importance of a person-centred approach to care users The Benefit of a person-centred approach to Health and Social Care workers and services	https://www.youtube.com/watch?v=h20SIhv2Fdw&list=PLp8BSCLLWBUA-4mj_vxoHdCkAQYth_PbR&index=4
13	Actions to Improve Health and Wellbeing	Established recommendations to improve Health and Wellbeing Support to Improve Health and Wellbeing (Formal and Informal)	https://www.youtube.com/watch?v=um8MqZMG-QA&list=PLp8BSCLLWBUA-4mj_vxoHdCkAQYth_PbR&index=3
14	Barriers to Improving Health and Wellbeing	Definition of Barriers Physical Barriers Barriers to People with a sensory disability Barriers to people with different social and cultural backgrounds Barriers to people with English as an additional language or speech impairments Geographical Barriers Financial Barriers Resource Barriers to service providers	Revision Guide
15	Obstacles to Improving Health and Wellbeing	Definition of Obstacles Emotional and Psychological Obstacles and how to overcome these Time constraints and how to overcome these Availability of resources and how to overcome these Unachievable targets and how to overcome these Lack of support and how to overcome this	Revision Guide

Computer Science (OCR GCSE)

		Small Steps	Resources links
1	Paper 1 The CPU	FDE cycle, CPU Components, Von Neumann Architecture, Performance, Embedded systems	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
2	Paper 2 Computational Thinking	Abstraction, Decomposition	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
3	Paper 1 Memory	Primary Storage, ROM, RAM, Advantages, Storage units, Data capacity	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
4	Paper 2 Algorithms	Structure diagrams, Flowcharts, Inputs, Process & Outputs	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
5	Paper 1 Compression	Characters, Images, Sound, Compression need, Lossy, Lossless	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing

6	Paper 2 Searches & Sorts	Binary, Linear, Bubble, Merge & Insertion sorts	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
7	Paper 1 Networks	Network topologies, Performance factors, LANS, the internet, Star & Mesh networks	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
8	Paper 2 Data Types & Programming Fundamentals	Data types & programming practice	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
9	Paper 1 Wired & Wireless networks & Protocols	Modes of connection, Protocols, Encryption, Layers	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
10	Paper 2 Boolean Logic	Logic diagrams & truth tables	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
11	Paper 1 Network Threats & issues	Forms of Attack, Prevention Methods	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
12	Paper 2 IDEs & Languages	IDEs, High- & Low-level languages	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
13	Paper 1 Operating Systems	Purpose & Functionality, Utility software	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
14	Paper 2 Programming Fundamentals	Programming Practice	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing
15	Paper 1 Ethics	Impacts & Legislation	Craig & Dave, Tassomai, Google Classroom, BBC BiteSize, 101 Computing

Design and Technology (Edexcel/Pearson GCSE)

		Small Steps	Resources links
1	Categories and properties of materials	What are the different categories of materials, their uses and properties and can you name examples of each material type	GCSE Design and Technology - Edexcel - BBC Bitesize Seneca - Learn 2x Faster
2	Stock forms and Standard components	Can you identify stock forms of material and standard components and suggest an appropriate use	GCSE Design and Technology - Edexcel - BBC Bitesize
3	Presentation of data, diagrams and charts	Can you identify the different types of charts and tables#	GCSE Design and Technology - Edexcel - BBC Bitesize Seneca - Learn 2x Faster
4	Drawing and interpreting graphs	Can you interpret data into the correct type of tables and charts and plot this correctly	GCSE Design and Technology - Edexcel - BBC Bitesize
5	Wider implications in D&T	Do you know the 6R's and how each one of them can be applied to a product	Key factors designers need to consider - Environmental, social and economic challenges -

			Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize
6	Context, usability and Design communication	Can you identify; problems within a design context, different drawing techniques and use them when re-designing products	Material properties - Design contexts - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize
7	Opportunities and constraints	Do you know that sometimes you have to compromise when designing products. Do you know what ACCESSFM stands for	Collaboration and design fixation - Design strategies - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize
8	New and Emerging Production Methods	What are New and Emerging Production Methods and how do they impact the design industry	Impact on industry - New and emerging technologies - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize Seneca - Learn 2x Faster
9	Emerging Technologies and Ethics	What are new and emerging technologies and the potential ethical issues surrounding them	Impact on industry - New and emerging technologies - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize
10	Energy Sources and Generation	What are the positives and negatives of different types of energy storage and generation	Fossil fuels - Energy generation and storage - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize
11	Metric units, decimals and standard form	Can you use, metric units, decimals and standard form when responding to calculation questions	Practise using resources from Technical Principles lessons on Showbie
12	Ratios, Fractions and Percentages	Can you scale drawings, and calculate profit margins	Practise using resources from Technical Principles lessons on Showbie
13	Surface Area and Volume	Can you calculate surface are and volume of simple and complex shapes and link this to material costing	Practise using resources from Technical Principles lessons on Showbie
14	Controlled movement in products	Can you name and identify uses of the different types of gear trains, levers, cams and pulley's & belts	Types of movements - Mechanical devices - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize
15	Electronic Systems	Can you identify input, process and output components and sequence electronic systems using flowcharts	Inputs - Electronic systems - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize