

GCSE Track Pack

GCSE 9–1 alignment map (Maths, English, Science) with sample items and model answers.

Track	GCSE
Publisher	Questipedia Ltd — UK
Pack type	Alignment map + sample question set
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What is covered

GCSE Mathematics (9–1)

Strand	National Curriculum reference	Questipedia activity
Number & algebra (F/H)	Structure and calculation, algebraic manipulation, sequences.	GCSE track — Number & Algebra units.
Ratio, proportion & rates of change	Ratio, proportion, growth/decay.	GCSE track — RPRC units.
Geometry & measures	Properties/constructions, mensuration, vectors.	GCSE track — Geometry units.
Probability & statistics	Interpretation, calculation, representation.	GCSE track — Stats units.

GCSE English Language & Literature

Strand	National Curriculum reference	Questipedia activity
Reading (Language)	Explicit/implicit meanings, structure, evaluation.	AO1–AO4 essay scaffolds.
Writing (Language)	Descriptive/narrative and transactional writing.	Writing Workshop — GCSE.
Literature — Shakespeare, 19th c. novel, modern text, poetry	Analytical response and comparison.	Text-by-text study guides + past papers.

GCSE Combined & Triple Science

Strand	National Curriculum reference	Questipedia activity
Biology	Cells, organisation, ecology, homeostasis.	GCSE Biology topic drills.
Chemistry	Atomic structure, quantitative chemistry, energy changes.	GCSE Chemistry topic drills.
Physics	Energy, waves, forces, magnetism, atomic structure.	GCSE Physics topic drills.

Sample questions with model answers

GCSE Mathematics (Higher)

Q1. Solve the quadratic: $x^2 - 5x + 6 = 0$. [3 marks]

Answer: $x = 2$ or $x = 3$

Q2. Rationalise the denominator: $6/\sqrt{3}$. [2 marks]

Answer: $2\sqrt{3}$

GCSE English Language — Paper 1 style

Q3. Explain how the writer uses language to describe the storm (source: 100-word extract provided in full pack). Focus on verbs and imagery. [6 marks]

Answer: Model AO2 response: verbs 'lashed', 'clawed' personify the storm as violent; the simile 'like a beast unchained' reinforces its raw ferocity; short sentences quicken the pace.

GCSE Combined Science — Chemistry

Q4. Balance: $__ \text{H}_2 + __ \text{O}_2 \rightarrow __ \text{H}_2\text{O}$. [2 marks]

Answer: $2 \text{H}_2 + \text{O}_2 \rightarrow 2 \text{H}_2\text{O}$

Q5. State one factor that increases the rate of reaction. [1 mark]

Answer: Higher temperature / higher concentration / larger surface area / a catalyst.

Request the full bank (thousands of items per track) by emailing suleman.md@gmail.com.