GCSE Maths 12-Week Revision Plan

One focus a week, finishing with full papers

A 12-week GCSE maths revision plan for summer 2027

Week	Focus	What to do	Done
1	Diagnose	Fill in the topic checklist. Sit a past paper, ideally all three, as a baseline.	
2	Number	Fractions, percentages, indices, standard form. Non-calculator practice.	
3	Algebra 1	Expanding, factorising, linear equations, rearranging, sequences.	
4	Algebra 2	Graphs, simultaneous equations, inequalities. Higher: quadratics, functions, algebraic fractions.	
5	Ratio and proportion	Ratio problems, percentage change, compound interest, compound measures, proportion.	
6	Checkpoint	One full timed paper. Re-rate the checklist. Redo the wrong-questions list.	
7	Geometry 1	Angles, area, volume, circles, Pythagoras, right-angled trigonometry.	
8	Geometry 2	Transformations, constructions, loci, bearings, vectors. Higher: sine and cosine rules, circle theorems.	
9	Probability and statistics	Trees, Venn diagrams, averages, charts. Higher: conditional probability, histograms, cumulative frequency.	
10	Mixed papers	Two full papers, one non-calculator and one calculator, marked with the scheme.	
11	Weakest topics	The last reds and ambers. One more full paper.	
12	Consolidate	Short mixed sets only. Look over the formulae sheet. Keep sleep and routine steady.	

Exam technique that keeps marks your child has already earned

- **Write the working, on calculator papers too.** Longer questions give most of their marks for method; a bare wrong answer scores nothing.
- **Read the last line twice.** "To 3 significant figures", "in terms of π" and "show that" each change what earns the marks.
- **Treat the non-calculator paper as its own subject.** Written methods for multiplication, division, fractions and decimals need to be fast, not just correct.
- **Use the formulae sheet, but don't lean on it.** It leaves out the area of a triangle and the volume of a cylinder, among others — see the formula sheet guide.
- **Pace it.** Each paper is 90 minutes: roughly a minute a mark on AQA and Edexcel (80 marks), a little less on OCR (100 marks). Stuck? Move on and come back.

- **Sense-check answers.** A person 15 metres tall or a probability of 1.3 means something upstream went wrong.
- **Never leave a blank.** A formula, a substitution or a sketch can pick up a method mark on its own.

How to use past papers so they actually raise the mark

- **Your own board's papers**, free on its website. Question styles differ enough between boards to matter.
- **Mark with the official mark scheme.** It shows where method marks sit and what counts as enough working.
- **Keep a wrong-questions list** and redo each one a week later without looking.
- **Hold back two or three recent complete papers** for timed practice in the final month.

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