

IGCSE Maths Higher Paper (EdExcel)

Topics

1-year course (age guide 14 – 16)

Autumn 1:
Inequalities
Circles including sector area and arc length
Bounds
Vectors
Cumulative frequency diagrams, box plots
Histograms

Spring 1:
Percentages
Probability
Mixed algebra-expand and factorise
Pythagoras, SOHCAHTOA
Indices and surds
Standard form
Sets and Venn Diagrams

Summer 1:
Set and set notation
Circle theorems
Averages and range
Linear and Quad graphs sketching
SOHCAHTOA refresher
Sine Rule, Cosine Rule
Mixed algebra-solve

Please note that the shared maths scheme of work is provisional and may be subject to change as the term progresses. While it provides an outline of the topics and progression planned for the class, we believe it is important to remain flexible and responsive to the needs of our students. As we assess their understanding and progress, we may adjust the pace, revisit certain areas, or introduce additional support or challenge to ensure appropriately supported learning. Our priority is to provide the best possible learning experience tailored to the needs of the cohort.

In addition, the sequence of the scheme of work has been thoughtfully structured to reflect a logical progression essential in mathematics. Many mathematical concepts depend on secure prior knowledge, meaning some topics must be taught first to provide the foundation needed for more advanced ideas. This careful ordering ensures that students are not introduced to complex material without the necessary groundwork. Furthermore, the scheme is designed to regularly revisit previously taught content. This planned revisiting is key to deepening understanding, reinforcing retention, and

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developing students' confidence. Our approach prioritises long-term learning and conceptual clarity over short-term memorisation.