

PCHS Curriculum Information

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| Course Title: GCSE Maths | Exam Board: AQA | Specification Code: 8300 |
| How will students be assessed? Students will be informally assessed twice per half term, during lessons, with short written assessments, for which they will receive feedback but no grades. Students will be formally assessed termly using written tests which incorporate both problem solving and procedural recall. This will help them become GCSE ready and will assess their knowledge and their ability to apply that knowledge to unfamiliar questions. In the summer term students will sit one 60 minute exam, a calculator paper, which will assess their Mathematical knowledge to date. | | |

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| KEY CONTENT |
| Half Term 1 Unit 1: Integers and decimals, including negative numbers Unit 2: Angle rules – parallel lines and polygons Unit 3: Fractions |
| Half Term 2 Unit 4: Algebra – Expanding, factorising and simplifying Unit 5: Types of number – primes, factors, multiples and standard form Unit 6: Patterns and sequences |
| Half Term 3 Unit 7: Perimeter and area 1 – area and surface area of polygons Unit 8: Calculating and displaying data 1 Unit 9: Equations and Graphs – solving, rearranging and straight line graphs |
| Half Term 4 Unit 10: Fractions, decimals and percentages – converting between all 3 forms and increasing/decreasing using multipliers Unit 11: Perimeter and area 2 – circles |
| Half Term 5 Unit 12: Probability 1 Unit 13: Ratio and Proportion Unit 14: Pythagoras Unit 15: Scatter graphs |
| Half Term 6 Unit 16: Real life graphs Unit 17: Transformations Unit 17.5: Exploring right angled triangles Unit 18: 2D and 3D shapes Data and Charts |