

# Culcheth High School Key Stage 4 Curriculum Map 2020 - 2021

Mathematics Year 11, set 2 and 3

Edexcel



	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Concepts	Algebra Ratio, Proportion and Rates of Change Statistics and Probability	Geometry and Measures Statistics and Probability	Geometry and Measures Statistics and Probability	Geometry and Measures Algebra	Algebra Geometry and Measures Statistics and Probability Number Ratio, Proportion and Rates of Change	Algebra Geometry and Measures Statistics and Probability Number Ratio, Proportion and Rates of Change
Themes	Quadratics including the formula & iteration Simultaneous equations Direct and Inverse Proportion Conditional probability	Similarity in 2D & 3D Graphs of trig functions Further trigonometry Sampling Cumulative frequency & box plots	Histograms Circle geometry – gradients/tangents Circle theorems sing graphs of circles, cubes and quadratics Gradient and area under graphs	Cubes and quadratics Gradient and area under graphs Vectors Algebraic fractions Functions	Algebraic Proof Congruence and geometric proof  Revision  <b>GCSE Paper 1</b>	<b>GCSE Paper 2</b> <b>GCSE Paper 3</b>
Writing Whole school literacy focus	Literacy based problem solving questions	Literacy based problem solving questions	Literacy based problem solving questions	Literacy based problem solving questions	Literacy based problem solving questions	Literacy based problem solving questions
Spiritual, Moral, Social and Cultural theme (SMSC) Fundamental British Values	The naturally inquisitive nature of maths supports decision making, SMSC and FBV will be addressed through the use of OFQUAL approved past paper questions	The naturally inquisitive nature of maths supports decision making, SMSC and FBV will be addressed through the use of OFQUAL approved past paper questions	The naturally inquisitive nature of maths supports decision making, SMSC and FBV will be addressed through the use of OFQUAL approved past paper questions	The naturally inquisitive nature of maths supports decision making, SMSC and FBV will be addressed through the use of OFQUAL approved past paper questions	The naturally inquisitive nature of maths supports decision making, SMSC and FBV will be addressed through the use of OFQUAL approved past paper questions	The naturally inquisitive nature of maths supports decision making, SMSC and FBV will be addressed through the use of OFQUAL approved past paper questions
Key Assessment Focuses, Suggested Assessments and Feedback Week	Week 6 1 full GCSE past paper non calculator Formula sheet provided	Week 13 QMA 2 full GCSE past papers 2 calculator	Week 19/20 PPE 3 full GCSE past papers 1 non calculator 1 calculator			
Special Events						
Possible Visits						

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Final assessment – 100% terminal examination in year 11.

2 tiers of entry

- Foundation. Grades 5-U
- Higher. Grades 9-3 (if insufficient marks are obtained for Grade 3, then a U will be awarded)

The final decision on tier of entry will be taken in the Spring Term of Y11.