

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

Mathematics Year 10, Set 1

Edexcel



	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Concepts	Statistics and Probability Geometry and Measures	Geometry and Measures	Algebra Number	Number Algebra	Geometry and Measures	Algebra Geometry and Measures Statistics and Probability
Themes	Pythagoras and Trigonometry Pie Charts Circles, arcs and sectors Surface Area and Volume Sequences Forming and solving equations	Vectors Transformations Constructions Simultaneous equations	Simultaneous equations Probability Trees Plans and elevations	Congruence and similar shapes Direct and Inverse Proportion Recurring decimals Product Rule Fractional and negative indices Bounds Expand and factorise Rearrange equations	Surds Quadratics including the formula and iteration	Quadratic sequences Coordinate geometry Surface Area and Volume(H) Simultaneous equations Direct and Inverse proportion(H) Transformations(H)
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 4 60-minute QMA on Autumn Term topics (Open Book)	Week 8 60-minute QMA on topics covered to date	Week 16 60-minute QMA on topics covered to date	Week 25 60 minute past paper	Week 30 60 minute past paper	Week 35/36 2 x 90 minute PPE 2 full past papers
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.