

St John's Curriculum Overview – Year 12

Subject title	Maths Studies
Setting arrangements	No setting
Time allowance each fortnight	5

Introduction

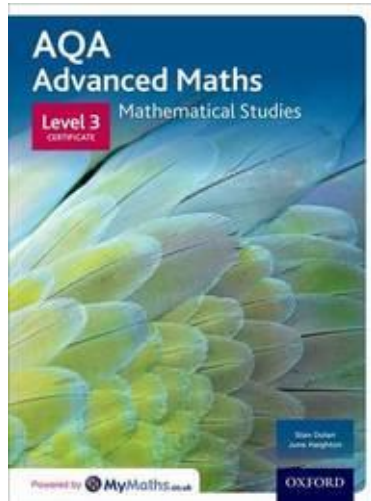
The Level 3 Certificate in Mathematical Studies is an AS Level equivalent qualification studied over 2 years. A Grade 4 in GCSE Maths is required for this course.

Topics, Skills and Assessment covered during the course

	Topics covered	Skills developed	Assessment
Term 1	Introduction to Spreadsheets Types of Data Collecting Data Numerical Calculations Percentages	Extension of GCSE knowledge and the introduction of new skills, dependent on the topics covered. Details are found at the beginning of each chapter in the text book.	Homework and teacher assessment
Term 2	Fermi Estimation Representing Data Numerically Representing Data Diagrammatically Interest Rates	Extension of GCSE knowledge and the introduction of new skills, dependent on the topics covered. Details are found at the beginning of each chapter in the text book.	Homework and teacher assessment
Term 3	Equation of a Straight Line Collecting and Sampling Data The Normal Distribution	Extension of GCSE knowledge and the introduction of new skills, dependent on the topics covered. Details are found at the beginning of each chapter in the text book.	Cross Topic Review Homework and teacher assessment
Term 4	Review and Recap Solution to Financial Problem Perimeter, Circumference and Area	Extension of GCSE knowledge and the introduction of new skills, dependent on the topics covered. Details are found at the beginning of each chapter in the text book.	Homework and teacher assessment

Term 5	Similarity and Pythagoras' Theorem Critical Analysis I	Extension of GCSE knowledge and the introduction of new skills, dependent on the topics covered. Details are found at the beginning of each chapter in the text book.	Cross Topic Review Homework and teacher assessment
Term 6	Surface Area and Similarity Analysis of Data Project	Extension of GCSE knowledge and the introduction of new skills, dependent on the topics covered. Details are found at the beginning of each chapter in the text book.	End of Year Exam <ul style="list-style-type: none"> • 1x 1.5 hour paper

Resources Recommended for Revision and where they are available:



Text books are handed out in class and signed for in the library.

Homework:

Every student is expected to match the number of hours spent in lessons with work completed in their own time.

Additional support and help for the course

One afternoon after school per week is set aside for revision workshops.

Extra-Curricular:

TBA