



PLUME ACADEMY - LEARNING OVERVIEW

Year	10 (starting end of year 9)
Course	Level 2 Certificate Further Mathematics
Specification Number/Exam Board	AQA - 8365
End of course assessment and weightings	2 x 1 hour 45 minute exams (50% each) Paper 1: Non-Calculator Paper 2: Calculator

Prior Learning

Students ideally need to be working at Grade 5 in GCSE Mathematics and show a keen interest towards an aspirational mathematically-related discipline.

Curriculum Intent – What are the curriculum aims?

This course allows high achieving students to learn higher order mathematical skills in greater depth. Students will also have the advantage of practising Grade 7-9 content of their Mathematics GCSE; and get an insight to the fundamental skills that they will study in A-Level Mathematics, should they choose that pathway.

Curriculum Implementation – What will my child will be learning?

Term 1	Half Term 1 <i>Summer 2 – Y9</i>	Basic Number, Basic Algebra, Basic Geometry, Algebraic Fractions
	Half Term 2 <i>Autumn 1 – Y10</i>	Manipulation & Proof, Linear & Quadratic Equations, Introductory Coordinate Geometry, Introductory Calculus, Functions
Term 2	Half Term 3 <i>Autumn 2 – Y10</i>	Sketching Functions & Inequalities, Surds, Index Laws, Simultaneous Equations
	Half Term 4 <i>Spring 1 – Y10</i>	Equations of Straight Lines and Circles, Matrix Multiplication, Trigonometry & Pythagoras Theorem, Calculus Applications
Term 3	Half Term 5 <i>Spring 2 – Y10</i>	Further Trigonometry, Matrix Transformations
	Half Term 6 <i>Summer 1 – Y10</i>	Sequences, Factor Theorem

Curriculum Impact – How will progress be assessed as I learn?

Homework will be set regularly to monitor understanding throughout the course. Topic tests will also be used as assessment over the course of the year, with exam practice and mocks taken in preparation for the final exam.



Super-Curricular Opportunities – Support and Extending Learning

Useful study resources	If a student is really passionate about this subject...	As a parent/carer, I can assist my child in this subject by:
<p>Collins AQA Level 2 Certificate Further Maths https://collins.co.uk/products/9780008356835</p>	<p>Consider studying Mathematics at A-Level</p>	<ul style="list-style-type: none">• Ask them about their maths and how they are finding it, you don't need to be an expert• Encourage them to be actively involved in their learning by asking for additional support if they are finding a topic difficult• Support us in encouraging students to complete homework on time and to the best of their ability