



Edgbarrow School

Year 12

Maths



Curriculum Intent

A-Level Mathematics will enable students to develop:

- Recall or recognition of mathematical facts, concepts and techniques, to select and apply to a variety of situations in the real world.
- Mathematical language and use notation confidently.
- Logical processes to devise and implement a solution strategy to previously unseen unstructured challenging problems.
- Interest and enthusiasm in the subject and be inspired to investigate the power of Mathematics beyond the scope of the A-level course

○ What am I studying this year and how and when will I be assessed?

Knowledge & Skills	Time of Year	Assessment	Homework
Unit P1 – Algebra Unit P2 – Differentiation 1 Unit P3 – Integration 1 Unit P4 – Binomials 1 Unit P5 – Trigonometry 1 Unit P6 – Integration 2 Unit P7 – Differentiation 2 Unit S1 – Central tendency and measures of spread Unit S2 – Binomial Distribution Unit M1 – Graphs of Motion Unit M2 – Constant Acceleration	Autumn Term	<ul style="list-style-type: none"> • September 2023 Baseline assessment • October 2023 Test on P1, P2, M1 • November 2023 Test on P3, P4, S1, M2 (may also include previous content) 	Homework is set in Maths to give students opportunity for independent practice on key skills and current content to secure knowledge. Students will be set a weekly online skills test and weekly exam-style question worksheets as well as homework from each of their lessons.
Unit P8 – Trigonometry 2 Unit P9 – Exponentials 1 Unit P10 – Trigonometry 3 Unit S3 – Bivariate Data Unit M3 – Forces in a Line	Spring Term	<ul style="list-style-type: none"> • January 2024 Mid-year Assessments P1 to P7, S1 to S2, M1 to M2 • March 2024 Test on P8, P9, P10, S3, M3 (may also include previous content) 	
Unit P11 – Series Unit P12 – Fractions Unit P13 – Differential Equations Unit P14 – Differentiation 3 Unit S4 – Probability Unit M4 – Forces in 2D	Summer Term	<ul style="list-style-type: none"> • May 2024 Test on P11, P12, P13, M4 (may also include previous content) • June 2024 End of Year 12 Assessments P1 to P14, S1 to S4, M1 to M4 	

Year 12 Assessment Dates: w/c 15th Jan

Your January mock will include units P1 to P7, S1, S2, M1 and M2

Year 12 Assessment Dates: w/c 24th June

Your End of Year assessment will cover units P1 to P14, S1 to S4, M1 to M4

Independent Study (10+ hours a fortnight expected) To support your learning

- Weekly Online Skills Quizzes
- Weekly Exam Question Worksheets
- Bridging work to ensure GCSE content is secure
- Kerboodle review and Assessment Exercises at end of each chapter (see PLC for Kerboodle links)
- Mymaths.co.uk lessons and 'homework' tasks. Use your personal login to access these.
- Integralmaths.org – resources, exercises with solutions, and auto marking tasks. Use your personal login to access these.
- Exam questions & practice questions available at the end of each unit

Marking Abbreviations

(More detail on guidance sheet)

1SPL Use 1 Step Per Line
 CON Missing or incorrect connectives
 N Notation
 ST Missing statement
 R Rounding

Students will demonstrate pride in their work by:

- Diagrams, graphs, drawings should all be done in pencil
- Mark work in a different colour