



# Edgbarrow School

## Year 12

### Further Maths



#### Curriculum Intent

##### **A-Level Further 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 ( <i>number of hours</i> )		Time of Year	Assessment	Homework
<b>Core Pure:</b> Proof and notation (3 hrs) Matrices (10 hrs) Vectors (13 hrs) Complex numbers (9 hrs) Roots of polynomials (7 hrs) Integration (2 hrs) STEP/MAT/TMUA/AEA questions fortnightly	<b>Minor module 1</b> <b>TBC at ½ term:</b>	Autumn Term	Test on matrices – October Test on vectors – November Test on all Pure - December	Homework is set in further maths to give students opportunity for independent practice on key skills and current content to secure knowledge.  Students will be set weekly exam-style question worksheets as well as homework from each of their lessons.
Problem solving, exam practice and past papers STEP/MAT/TMUA questions as appropriate	<b>Minor module 2</b> <b>TBC at Christmas:</b>	Spring Term	Jan Mock Exam – core pure only Minor modules mocks – March	
Revision for AS level exams After the AS exams students cover a mix of core pure and problem-solving skills required for the start of year 13, including preparation for STEP/MAT/TMUA/AEA.		Summer Term	AS level examinations mid-May	

#### **Year 12 Assessment Dates: w/c 15<sup>th</sup> Jan**

Your Jan mock will consist of questions for Core Pure only.  
Students will be advised on topics to revise

#### **Year 12 Assessment Dates: TBC**

AS level exams (dates to be confirmed by exam board)

#### **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:**

- Mark work in a different colour
- All homework done on loose paper and photos uploaded to Google Classroom
- Comment in work on Google Classroom where you would like specific feedback