



## Maths Curriculum Overview

### **What are the aims of the Maths curriculum?**

The Maths curriculum encourages students to develop confidence in, and a positive attitude towards, mathematics and to recognise the importance of mathematics in their own lives and to society. It should also provide a strong mathematical foundation for students who go on to study mathematics or related subjects at a higher level post-16 and post-18.

The curriculum should enable students to:

1. develop fluent knowledge, skills and understanding of mathematical methods and concepts
2. acquire, select and apply mathematical techniques to solve problems
3. reason mathematically, make deductions and inferences and draw conclusions
4. comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

### **How does the Maths curriculum support the Seaton Valley Federation's curriculum vision and intent?**

The Maths curriculum should enable students to be numerically confident and develop skills needed to manage personal finances in their future. The curriculum is resourced to ensure that students can experience both success and challenge and that they enjoy making progress. Each lesson is designed to help develop mathematical literacy skills - whether that be a focus on key words and instructions or making and justifying conclusions. We aim to foster an appreciation for the beauty of mathematics by using cultural references and applying the content to real life examples. The curriculum encourages students to be resilient and take responsibility, through extended practice of weak areas or problem solving activities.

### **How is the Maths curriculum sequenced to support pupils to make effective progress?**

Each half term, the curriculum strengthens, develops and extends prior learning in each of the 4 areas of mathematics (number, algebra, shape and statistics). Interleaving starter and warm-up tasks allow students to retrieve key facts and methods, and then link them to new learning.

### **How is assessment used to aid progress?**

Formative assessment is used each lesson via lesson starters, warm up tasks or verbal questions. New learning is assessed during each lesson via live marking. At the end of each unit, students are given the opportunity to review this learning prior to the unit assessment. After the assessment, students reflect on their progress and record this on the assessment sheet. Formal termly tests also follow this model.

Homework is issued weekly (mymaths y7,8 and Sparx maths y9,10,11). Homework follows the same scheme of work as the curriculum

Post assessment, teachers are able to identify gaps in student knowledge and modify future lesson plans, or request intervention as required. Students are able to identify their own areas for improvement from their feedback sheets and are pointed towards sources for independent practise.



**How is staffing organised within Maths?**

KS3 Y7 & Y8 S Edwards N Robinson (WMS) A Burns E Ferguson L Phillipson (ACHS)  
GCSE Y9, 10, 11, 12/13 resit A Burns E Ferguson J Leslie L Phillipson L Tyler B Thompson C Ward  
A Level J Leslie L Phillipson L Tyler C Ward

**Examined courses – exam board and course code (exams and controlled assessment elements)**

Y11	GCSE(9 to 1)	Edexcel	601/4700/3	1MAF	1MAH
Y11	Entry level maths certificate	AQA		5930	
Y12	GCE Further Maths AS	Edexcel	603/14990	8FM0	
Y13	GCE Maths A level	Edexcel	603/1333/X	9MA0	
Y13	GCE Further Maths A level	Edexcel	603/1499/0	9FM0	