

# Wave Trust Maths Curriculum

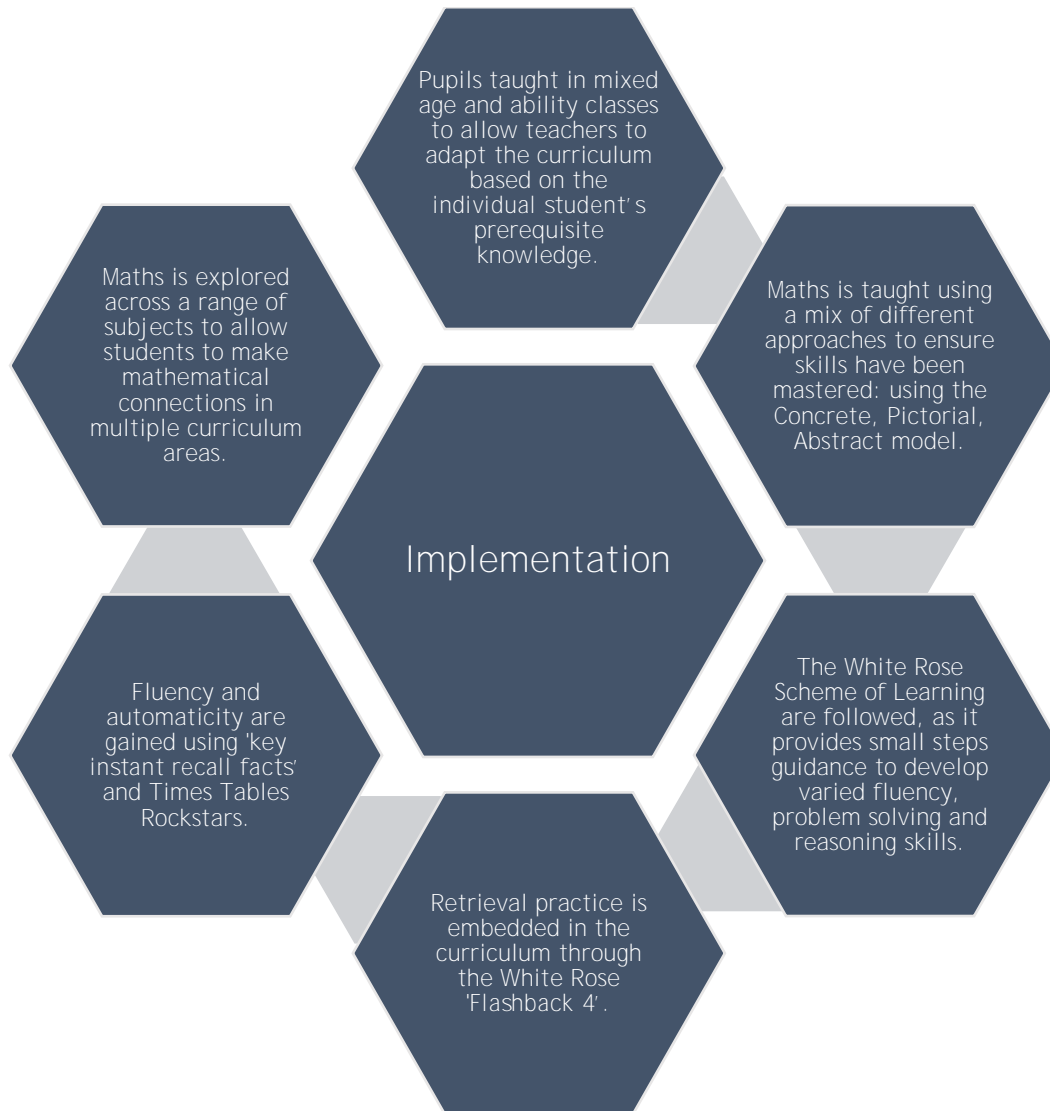
Our Trust curriculum, used in Primary and the Regional APA Solo Maths Leads, is underpinned by our WAVE values, which also serve as powerful and unique drivers for our curriculum:

We have the highest expectations of what our pupils are capable of, no matter what their starting points, and no matter how many fresh starts. Through our Curriculum offer, we will strive to develop unique talents; build confidence; character, aspiration; attainment and at KS4, also qualifications. We aim to prepare pupils for their next steps, and life in modern Britain. We believe every child can learn to read. In Maths, we aim to reengage pupils with Maths where needed, building a 'can do' approach and ensuring accurate assessment informs teaching.

We seek first to understand, then to be understood. Through our curriculum, we will develop empathetic learners who have an awareness, understanding and are considerate of themselves; their peers; our communities; as well as of the world around us all. In Maths lessons we create an atmosphere where students feel comfortable to express their thoughts, concerns, and questions.

Our curriculum will support of students to respect themselves, each other and teach an understanding and awareness of diversity. In Maths





The White Rose scheme covers all aspects of the national curriculum and is sequenced so that topics that rely upon other areas of maths are

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	NUMBER Place Value		NUMBER Addition and Subtraction						NUMBER Place Value and Multiplication			
Spring	NUMBER Division	NUMBER Place Value	MEASUREMENT Length and Weight	GEOMETRY Shape	NUMBER Fractions			Validation				
Summer	Investigations and Connections			NUMBER	GEOMETRY Area and Perimeter	MEASUREMENT Time	Problem Solving		MEASUREMENT Scale, Volume, Capacity and Mass			

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	NUMBER Place Value			NUMBER Addition and Subtraction				NUMBER Multiplication and Division				
Spring	NUMBER Multiplication and Division	MEASUREMENT Length, Perimeter		NUMBER			MEASUREMENT/NUMBER			Validation		
Summer	Investigations and Connections			MEASUREMENT Area and Perimeter		MEASUREMENT Time		Problem Solving		MEASUREMENT Scale, Volume, Capacity and Mass		





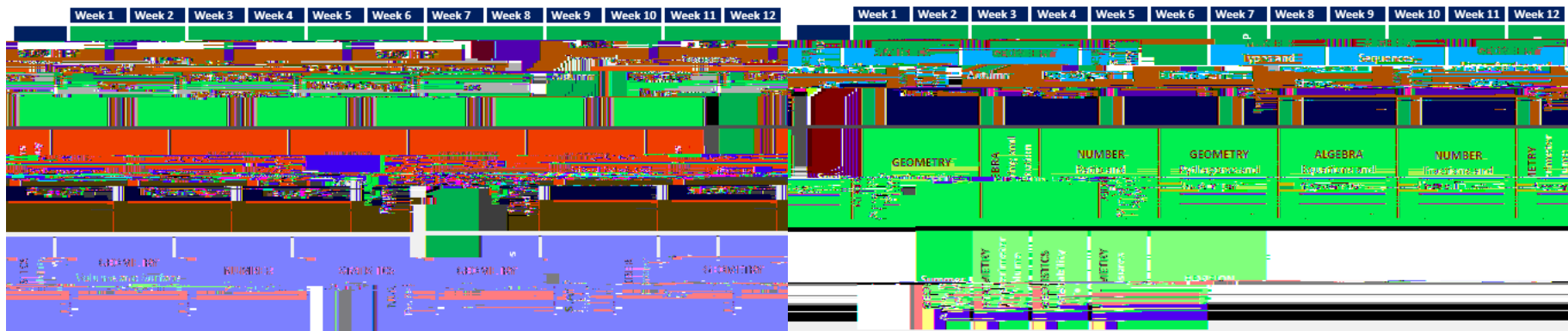




Key Stage 3

# Key Stage 4

KS4 are following a scheme of work based on the AQA GCSE objectives. Each module is approximately 2 weeks in length and has been sequenced to build on prior knowledge. Every lesson begins with a Corbett maths 5 a day starter which is differentiated according to ability, but not in a way that limits attainment. Using these starters serves to address any gaps in knowledge and as part of retrieval process which aims to embed key mathematical concepts in pupils' long-term memory. The main part of the lesson will focus on the current topic and will build on skills developed in the previous lesson (except at the start of the module). Due to a wide range of abilities in classes the work is differentiated by the level of support offered to pupils rather than by outcome for all pupils following the same scheme of work. Both year 10 and year 11 follow a one-year scheme of work to ensure that if a pupil is reintegrated into mainstream at the start of year 10 or joins us at the start of year 11, they are not disadvantaged by not being taught the entirety of the curriculum. This does not mean that pupils staying with us repeat the same work. Pupils are taught in small groups, and the work is carefully planned to add breadth and depth. Problem solving tasks or exam style question are used on a regular basis to help pupil improve their mathematical reasoning and to interleave different mathematical areas together. Our curriculum is designed to be adaptive and based on the prerequisite knowledge of the pupils we teach.







# Maths at River Dart Academy

2020

Recognise the place value of any number in an integer up to one billion

1. What numbers are represented on the place value chart?

100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1
●	●	●	●	●	●	●	●	●

2. Write the number on the place value chart to represent the number which is 100,000,000 less than 1,000,000,000.

100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1

3. Write the number on the place value chart to represent the number which is 100,000,000 more than 1,000,000,000.

100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1

Fri 6 Nov **NOVEMBER** 2020

White Rose Maths

1 I have £2

I have 4 times as much.

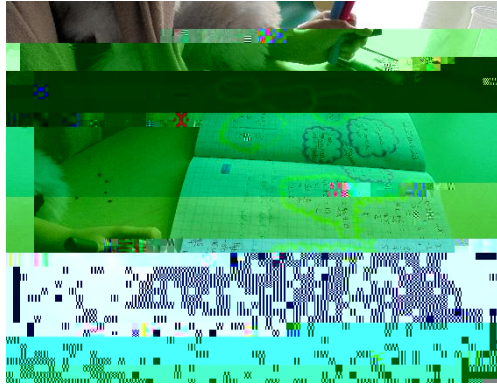
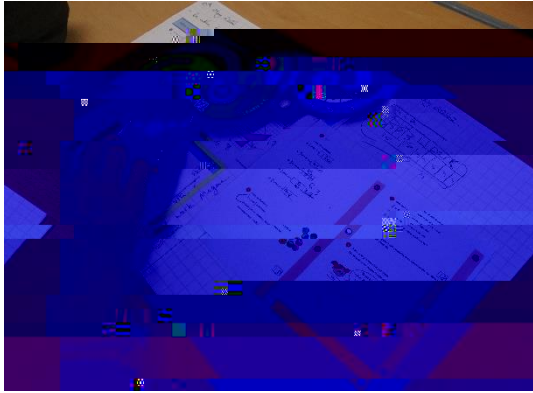
How much do they have in total?

Alex £2

2 Sonia is 15 years old. She has an older sister. The sum of Sonia and her sister's ages are 36. How many years older than her sister is Sonia?

Sonia 15





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X

X

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