Subject: Maths

RECEPTION			YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		YEAR 6	
AUTUMN	SPRING	SUMMER	Book A	Book B	Book A	Book B	Book A	Book B	Book A	Book B	Book A	Book B	Book A	Book B
Number Baseline Number pattern Sorting arrangements Counting to 5 Using 5 frames Subitising AB Patterns Time Composition of Number to 5 2D shape Positional Language	Counting Comparing and Ordering Addition Number bonds to 10 2D/3D shapes Time Measurement Pattern	Subtraction Odds/evens Doubling Halving/sharing Teen Numbers Rekenreks – NCETM Measurement Capacity	Chapter 1 Number to 10 Chapter 2 Number Bonds Chapter 3 Addition Within 10 Chapter 4 Subtraction Within 10 Chapter 5 Positions Chapter 6 Numbers to 20 Chapter 7 Addition and Subtraction Within 20 Chapter 8 Shapes and Patterns Chapter 9 Length and Height	Chapter 10 Numbers to 40 Chapter 11 Addition and Subtraction Word Problems Chapter 12 Multiplication Chapter 13 Division Chapter 14 Fractions Chapter 15 Numbers to 100 Chapter 16 Time Chapter 17 Money Chapter 18 Volume and Capacity Chapter 19 Mass Chapter 20 Space	Chapter 1 Numbers to 100 Chapter 2 Addition and Multiplication Chapter 3 Multiplication of 2, 5 and 10 Chapter 4 Multiplication and Division of 2, 5 and 10 Chapter 5 Length Chapter 6 Mass Chapter 7 Temperature Chapter 8 Picture Graphs	Chapter 9 More Word Problems Chapter 10 Money Chapter 11 Two-Dimensional Shapes Chapter 12 Three-Dimensional Shapes Chapter 13 Fractions Chapter 14 Time Chapter 15 Volume	Chapter 1 Numbers to 1000 Chapter 2 Addition and Subtraction Chapter 3 Multiplication and Division Chapter 4 Further Multiplication and Division Chapter 5 Length Chapter 6 Mass Chapter 7 Volume	Chapter 8 Money Chapter 9 Time Chapter 10 Picture Graphs and Bar Graphs Chapter 11 Fractions Chapter 12 Angles Chapter 13 Lines and Shapes Chapter 14 Perimeter of Figures	Chapter 1 Numbers to 10 000 Chapter 2 Addition and Subtraction Within 10 000 Chapter 3 Multiplication and Division Chapter 4 Further Multiplication and Division Chapter 5 Graphs Chapter 6 Fractions Chapter 7 Time	Chapter 8 Decimals Chapter 9 Money Chapter 10 Mass, Volume and Length Chapter 11 Area of figures Chapter 12 Geometry Chapter 13 Position and Movement Chapter 14 Roman Numerals	Chapter 1 Numbers to 1 000 000 Chapter 2 Whole Numbers: Addition and Subtraction Chapter 3 Whole Numbers: Multiplication and Division Chapter 4 Whole Numbers: Word Problems Chapter 5 Graphs Chapter 6 Fractions	Chapter 7 Decimals Chapter 8 Percentage Chapter 9 Geometry Chapter 10 Position and Movement Chapter 11 Measurements Chapter 12 Area and Perimeter Chapter 13 Volume Chapter 14 Roman Numerals	Chapter 1 Numbers to 10 Million Chapter 2 Four Operations on Whole Numbers Chapter 3 Fractions Chapter 4 Decimals Chapter 5 Measurements Chapter 6 Word Problems	Chapter 7 Percentage Chapter 8 Ratio Chapter 9 Algebra Chapter 10 Area and Perimeter Chapter 11 Volume Chapter 12 Geometry Chapter 13 Position and Movement Chapter 14 Graphs and Averages Chapter 15 Negative Numbers

- Alvey Values:

- We use the Maths No Problem Scheme which is a mastery curriculum. Differentiation occurs in the support and intervention provided to different pupils rather than in the topics taught. This ensures there is no cap to the children's learning and every day all the children have a chance to succeed. The emphasis is always placed on problem solving.
- Maths No Problem uses a CPA approach – allowing the children to build their skills through concrete, pictorial and finally abstract representations.
- Our approach has an emphasis on deep understanding and a sound number sense – which is also developed using the NCETM – Mastering Number program in Reception and KS1.
- Spaced learning is used to allow the concepts to be revisited over time thus requiring the children to retrieve prior information
- The lesson structure starts with the exploration of a task, followed by whole class learning, guided pairs work and finally, independent practise.
- Children are encouraged to find different ways to solve problems
- Timestables and fluent calculation methods are also a fundamental part of the learning journey.