Sowe Valley Primary School – Curriculum Overview

Maths

Intent

The national curriculum for mathematics aims to ensure that all pupils:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions

At Sowe Valley primary school, we want all of our children to develop and nurture a love of learning Maths, regardless of their starting point or perceived ability. Using real life contexts, we want our children to make links and rich connections across mathematical concepts to develop their fluency, mathematical reasoning and competence in solving increasing range of challenging problems. We aim for the children to recognise their own creativity as mathematicians and be able to employ a range of skills using a CPA approach, taking risks and reflecting on their misconceptions during lessons. We want our children to recognise that Maths is essential to everyday life, in areas such as science, technology and engineering, and necessary for financial literacy and most forms of employment.

Immersion

- Every child will be able to tell the time
- Every child will add the distances they run in golden mile
- Every child will participate in Mathletics, practical activities
- Every child will take part in outdoor Maths activities
- Every child the will record distance on school trips
- Every child will have the change to create, make and play board games
- Every child will have opportunity add and handle money for charity
- Every child will have the opportunity to plan, create and run a business enterprise
- Every child will have the option to join a Maths school club
- Every child will have opportunity to a plan and cost a class trip

Implementation

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn		**Unit 1** Number - Number & place value Addition & subtraction Geometry Properties of shapes	**Unit 1** Number - Number & place value Addition & subtraction Geometry - Properties of shapes	**Unit 1** Number - Number & place value Addition & subtraction Geometry - Properties of shape **Unit 2**	**Unit 1** Number – Number & place value Addition & subtraction Geometry - Properties of shape	**Unit 1** Number – Number & place value Addition & subtraction Geometry - Properties of shape	**Unit 1** Number – Number & place value Addition & subtraction Geometry - Properties of shape **Unit 2**

		Unit 2 Number – Addition & subtraction✓ Addition & subtraction✓ Measurement (length & height)	**Unit 2** Number - Addition & subtraction✓ Addition & subtraction✓ Measurement (length & height)	Number - Multiplication & division including Number & place value✓ Measurement (mass) Fractions	**Unit 2** Geometry- Position & direction✓ Number - Multiplication & division including Number & place value✓ Fractions	**Unit 2** Number - Multiplication & division Fractions Geometry- Position & direction✓	Number - Multiplication & division Fractions Geometry- Position & direction✓
		Unit 3 Number - Number & place value✓ Multiplication & division✓ Geometry - Position & direction✓ **Unit 4** Number - Addition & subtraction✓ Measurement (money) Fractions	**Unit 3** Number - Multiplication & division including Number & place value✓ Multiplication & division including Number & place value✓ Geometry - Position & direction✓ **Unit 4** Number - Multiplication & division including Number & place value✓ Measurement (time) Fractions	**Unit 3** Number - Addition & subtraction✓ Addition & subtraction✓ Geometry - Properties of shape✓ **Unit 4** Number - Multiplication & division including Number & place value✓ Multiplication & division including Number & place value✓ Measurement (time)	**Unit 3** Number - Addition & subtraction✓ Decimals Measurement (Mass **Unit 4** Number - Multiplication & division including Number & place value✓ Multiplication & division Measurement (time)	**Unit 3** Number - Addition & subtraction✓ Decimals Measurement (Mass **Unit 4** Number - Multiplication & division Multiplication & division Measurement (time)	**Unit 3** Number - Addition & subtraction✓ Decimals Measurement (length) **Unit 4** Number - Multiplication & division Fractions (including decimals & percentages) Measurement (time)
Spring		**Unit 5** Number - Number & place value✓ Addition & subtraction Geometry - Properties	**Unit 5** Number - Number & place value✓ Addition & subtraction including	**Unit 5** Number - Number & place value Addition & subtraction including	**Unit 5** Number - Number & place value Addition & subtraction✓ Geometry - Properties	**Unit 5** Number - Number & place value Addition & subtraction✓ Geometry - Properties	**Unit 5** Number – addition, subtraction, multiplication &division including Number & place value Algebra✓ Geometry - Properties

		of shapes **Unit 6** Number - Multiplication & division including Number & place value Multiplication & division Measurement (mass)	Measurement (money) Geometry - Properties of shapes **Unit 6** Number - Multiplication & division including Number & place value Multiplication & division Measurement (mass)	Measurement (money) Geometry - Properties of shape **Unit 6** Number - Multiplication & division including Number & place value Fractions Measurement (length) Fractions	of shape **Unit 6** Number - Multiplication & division including Number & place value Fractions Measurement (length)	of shape **Unit 6** Number - Multiplication & division Fractions Measurement (length)	of shape **Unit 6** Number - Multiplication & division Multiplication & division (including decimals) Measurement (mass)
		Unit 7 Number - Addition & subtraction Addition & subtraction Measurement (time) **Unit 8** Number - Number & place value Measurement (volume & capacity) Fractions	**Unit 7** Number - Addition & subtraction Addition & subtraction including Statistics Measurement (money) **Unit 8** Number - Multiplication & division including Number & place value Measurement (volume & capacity) Fractions	**Unit 7** Number – Statistics Addition & subtraction Addition & subtraction including Measurement (money) **Unit 8** Number - Multiplication & division including Number & place value Measurement (perimeter) Fraction	**Unit 7** Number – Addition & subtraction Addition & subtraction Statistics **Unit 8** Number - Multiplication & division Decimals Measurement (perimeter and area)	**Unit 7** Number – Decimals Addition & subtraction Statistics **Unit 8** Number - Multiplication & division Percentages (including fractions and decimals) Measurement (perimeter and area)	**Unit 7** Number – Fractions Ratio & Proportion Statistics **Unit 8** Number - Multiplication & division Multiplication & division including decimals Measurement (perimeter and area)
Summer		**Unit 9** Number - Number & place value	**Unit 9** Number - Number & place value	**Unit 9** Number -	**Unit 9** Number - Number & place value	**Unit 9** Number - Number & place value	**Unit 9** Number - Addition & subtraction Multiplication & division

		Addition & subtraction/ Geometry - Position & direction/ **Unit 10** Number - Multiplication & division including Number & place value/ Multiplication & division/ Measurement (length & height)	Addition & subtraction/ Geometry - Position & direction/ **Unit 10** Number - (including Temperature) Multiplication & division including Number & place value/ Multiplication & division including Number & place value/ Measurement	Number & place value Addition & subtraction/ Geometry - Properties of shape/ **Unit 10** Number - Multiplication & division/ Measurement (volume & capacity) Fractions	Addition & subtraction including Measurement (money) Geometry - Properties of shape/ **Unit 10** Number - Multiplication & division/ Fractions Measurement (volume & capacity)	Addition & subtraction Geometry - Properties of shape/ **Unit 10** Number - Multiplication & division including Measurement (Money) Fractions Measurement (volume & capacity)	Algebra- Properties of shape/ **Unit 10** Number - Multiplication & division including decimals Fractions Measurement (volume & capacity)
		Unit 11 Number - Addition & subtraction Addition & subtraction/ Geometry - Properties of shapes **Unit 12** Number - Multiplication & division/ Measurement (time) Fractions	**Unit 11** Number - Addition & subtraction/ Addition & subtraction/ Statistics **Unit 12** Number - Multiplication & division including Number & place value/ Measurement (time) Fractions	**Unit 11** Number - Addition & subtraction including Measurement (money) Measurement (time) **Unit 12** Number – Statistics Multiplication & division Multiplication & division/	**Unit 11** Number - Addition & subtraction including Measurement (money) Decimals Geometry – Position & direction/ **Unit 12** Number – Multiplication & division Multiplication & division/ Statistics	**Unit 11** Number - Addition & subtraction including Measurement (money) Percentages (including fractions and decimals Geometry – Position & direction/ **Unit 12** Number – Multiplication & division including Measurement (money) Multiplication & division/ including	**Unit 11** Number - Addition & subtraction multiplication & division/ Ratio and proportion/ Geometry – Position & direction/ **Unit 12** Number – Multiplication & division including decimals Fractions including decimals & percentages Statistics

						Measurement (money) Statistics	

Impact

	Exceeding Standard/	Meeting Standard/	Not yet meeting standard/