



Our Mathematics curriculum aims to ensure 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.



	Autumn 1		Autumn 2
Unit 1 Weeks 2-5 Place Value	Numbers to 1000. 100s, 10s and 1s. Number line to 1000. Round to the nearest 10 and 100. Count in 1000s. 1000s 100s 10s and 1s. Partitioning. Number line to 10 000. Find 1, 10, 100 more or less. 1000 more or less. Compare 4 digit numbers. Order numbers. Round to the nearest 1000. Count in 25s. Negative numbers. Roman numerals. Regular arithmetic and times tables practice.	Unit 1 Weeks 1-3 Multiplication and Division Part One	Multiply by 10. Multiply by 100. Divide by 10. Divide by 100. Multiply by 1 and 0. Divide by 1. Multiply and divide by 3. 3 times tables and division facts. Multiply and divide by 6. 6 times tables and division facts. Multiply and divide by 9. 9 times tables and division facts. Multiply and divide by 7. 7 times tables and division facts. Regular arithmetic and times tables practice.
Unit 2 Weeks 6-8 Addition and Subtraction	Add and subtract 1s, 10s, 100s and 1000s. Add two 3-digit numbers – not crossing 10 or 100. Add two 4-digit numbers –no exchange. Add two 3-digit numbers crossing 10 or 100. Add two 4-digit numbers – one exchange. Add two 4-digit numbers – more than one exchange.	Unit 2 Weeks 4- 6 Perimeter and Area	Equivalent lengths (m and cm). Equivalent lengths (mm and cm). Conversion metres to kilometres and vice versa. Add lengths. Subtract lengths. Measure perimeter.



	<p>Subtract a 3-digit number from a 3-digit number – no exchange.</p> <p>Subtract two 4-digit numbers – no exchange.</p> <p>Subtract a 3-digit number from a 3-digit number – one exchange.</p> <p>Subtract two 4-digit numbers –one exchange.</p> <p>Subtract two 4-digit numbers – more than one exchange.</p> <p>Efficient subtraction.</p> <p>Estimate answers.</p> <p>Checking strategies.</p> <p>Regular arithmetic and times tables practice.</p>		<p>Perimeter on a grid.</p> <p>Perimeter of a rectangle.</p> <p>Perimeter of rectilinear shapes.</p> <p>What is area.</p> <p>Counting squares.</p> <p>Making shapes.</p> <p>Comparing area.</p> <p>Regular arithmetic and times tables practice.</p>
		<p>Unit 3 Week 7 Consolidation and assessment</p>	<p>Consolidation Week.</p> <p>Revisiting learning from multiplication and division topic as well as area and perimeter.</p> <p>Addressing misconceptions and extending secure understanding.</p> <p>Arithmetic practice of the four operations.</p> <p>Word problems.</p> <p>Nrich Maths Herald and NCETM investigations.</p>



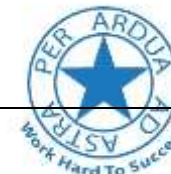
	Spring 1		Spring 2
Unit 1 Weeks 1 - 3 Multiplication and Division Part 2	Multiply and divide by 8. Multiply and divide by 11 and 12. Multiplying 3 numbers. Factor Pairs. Efficient multiplication. Written methods. Multiplying 2 digits by 1 digit. Multiplying 3 digits by 1 digit. Divide 2 digits by 1 digit (1). Divide 2 digits by 1 digit (2). Divide 3 digit by 1 digit. Correspondence problem. Arithmetic and times tables practice.	Unit 1 Weeks 1 – 4 Decimals	Recognise tenths and hundredths. Tenths as decimals. Tenths on a place value grid. Tenths on a number line. Divide 1-digit by 10. Divide 2-digits by 10. Hundredths. Hundredths as decimal. Hundredths on a place value grid. Divide 1 or 2-digits by 100 Make a whole Write decimals. Compare decimals. Order decimals. Round decimals. Halves and quarters. Regular arithmetic and times tables practice.



<p>Unit 2 Weeks 4-6 Fractions</p>	<p>What is a fraction? Equivalent fractions. Fractions greater than 1. Count in fractions. Add 2 or more fractions. Subtract 2 fractions. Fractions greater than 1. Count in fractions. Add 2 or more fractions. Subtract 2 fractions. Arithmetic and times tables practice.</p>	<p>Unit 2 Weeks 5- 6 (3 days) Consolidation and assessment</p>	<p>Multiplication – formal written method - Word problems Division – using partitioning strategies - Mixed word problems Area recap. Rounding numbers. Recap fractions of amounts and decimals Arithmetic and times tables practice.</p>
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	Summer 1		Summer 2
Unit 1 Weeks 1-2 Measurement Money	Understanding pounds and pence. Ordering money. Comparing money. Estimating money. Practising four operations. Solving money word problems. Practise arithmetic and times tables skills.	Unit 1 Weeks 1- 2 Geometry Properties of Shape	identify angles. Compare and order angles. Understand properties of triangles. Understand properties of quadrilaterals. Understand lines of symmetry. Complete a symmetric figure. Practise arithmetic and times tables skills.
Unit 2 Weeks 2-3 Measurement Time	Time- understanding hours, minutes, seconds. Understanding days, weeks, months, years. Analogue to digital – 12 hour. Analogue to digital – 24 hour. Time word problems and investigations. Arithmetic and times tables practice.	Unit 2 Week 3 Geometry Position and Direction	Describe a position. Draw on a grid Move on a grid. Describe movement on a grid. Arithmetic and times tables practice.
Unit 3 Week 4 Statistics	Interpret charts. Comparison, sum & difference. Introducing line graphs. Line graphs	Unit 3 Weeks 4 - 5 Consolidation	Revise using flashback, word problems, verbal reasoning: addition and subtraction. multiplication and division. fractions and decimals. money and time. a range of charts and graphs. revise shape, position and direction Arithmetic and times tables practice



		Unit 4 Week 6 Assessments	Reasoning assessment. Arithmetic and times tables assessments. Mark and review answers to address misconceptions. Maths investigations.
Unit 5 Week 5 Measurement Mass, capacity and volume	To understand units of weight (g and kg) What is capacity? What is volume? Investigations to support understanding	Unit 5 Maths Challenges and Investigations	Nrich challenges. Maths Herald challenges. Word problems. Maths puzzles and games.
Unit 6 Week 6 Consolidation	To revise and apply knowledge on the term's topics: Investigations Word problems Reasoning and explaining		