

Numeracy Medium Term Planning Year 4/5 2017 - 18

Date / Week	O/M Strand	O/M Objective	Main Lesson Strand	Main Lesson Objective	Problem Solving / Using and Applying Opportunity
Autumn 1 week 1	Number - Place Value	<ul style="list-style-type: none"> Count in multiples of 1000 Find 1000 more or less than a given number Recall multiplication and division facts for multiplication tables up to 12x12 	Number - Place Value	<ul style="list-style-type: none"> Recognise the place value of each digit in 4 digit numbers and greater Order and compare numbers up to 1,000,000 	<ul style="list-style-type: none"> solve number and practical problems that involve all of the above and with increasingly large positive numbers
Autumn 1 week 2	Number - Place Value	<ul style="list-style-type: none"> Recognise the place value of each digit in a 4 digit number Recall multiplication and division facts for multiplication tables up to 12x12 	Number - Place Value	<ul style="list-style-type: none"> Rounding any number to the nearest 10, 100, 1,000, 10,000 or 100,000 	
Autumn 1 week 3	Number	<ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations Recall multiplication and division facts for multiplication tables up to 12x12 	Number - Addition and subtraction	<ul style="list-style-type: none"> add numbers with more than 4 digits using the formal written methods of columnar addition where appropriate estimate and use inverse operations to check answers to a calculation 	<ul style="list-style-type: none"> solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Autumn 1 week 4	Geometry - Properties of shapes	<ul style="list-style-type: none"> compare and classify geometric 3D shapes based on their properties Recall multiplication and division facts for multiplication tables up to 12x12 	Geometry - Properties of shapes	<ul style="list-style-type: none"> identify lines of symmetry in 2-D shapes presented in different orientations complete a simple symmetric figure with respect to a specific line of symmetry. 	<ul style="list-style-type: none"> Symmetry Puzzles
Autumn 1 week 5	Number - Addition and subtraction	<ul style="list-style-type: none"> estimate and use inverse operations to check answers to a calculation Recall multiplication and division facts for multiplication tables up to 12x12 	Number - Addition and subtraction	<ul style="list-style-type: none"> subtract numbers with more than 4 digits using the formal written methods of columnar addition and subtraction where appropriate estimate and use inverse operations to check answers to a calculation 	<ul style="list-style-type: none"> solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Date / Week	O/M Strand	O/M Objective	Main Lesson Strand	Main Lesson Objective	Problem Solving / Using and Applying Opportunity
Autumn 1 week 6	Measurement	<ul style="list-style-type: none"> Convert between different units of measure [for example, kilometre to metre; hour to minute] 	Measurement	<ul style="list-style-type: none"> Understand approximate equivalences between metric and imperial units such as inches, pounds & pints 	<ul style="list-style-type: none"> solve conversion problems with real life examples
Autumn 1 week 7	Statistics	<ul style="list-style-type: none"> solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. 	Statistics & Assessment	<ul style="list-style-type: none"> interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. 	<ul style="list-style-type: none"> ASSESSMENT WEEK
Autumn 2 week 1	Number - Multiplication	<ul style="list-style-type: none"> recall multiplication and division facts for multiplication tables up to 12×12 	Number Multiplication	<ul style="list-style-type: none"> recognise square and cube numbers and use the correct notation for these multiply up to 4 digit numbers by a one-digit number using formal written layout 	<ul style="list-style-type: none"> solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
Autumn 2 week 2	Number - Multiplication	<ul style="list-style-type: none"> recall multiplication and division facts for multiplication tables up to 12×12 	Number Multiplication	<ul style="list-style-type: none"> divide up to 4 digit numbers by a one-digit number using formal written layout including remainders. 	<ul style="list-style-type: none"> solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
Autumn 2 week 3	Geometry - properties of shape	<ul style="list-style-type: none"> compare and classify 3D shapes based on their properties and sizes 	Geometry - properties of shape	<ul style="list-style-type: none"> identify acute, obtuse and reflex angles and compare and order angles by size, measuring them in degrees. 	<ul style="list-style-type: none"> Solve problems such as finding missing angles by using angle sum facts.

Date / Week	O/M Strand	O/M Objective	Main Lesson Strand	Main Lesson Objective	Problem Solving / Using and Applying Opportunity
Autumn 2 week 4	Number - Fraction	<ul style="list-style-type: none"> count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. round decimals with two decimal places to the nearest whole number and to one decimal place. 	Number - Fraction	<ul style="list-style-type: none"> recognise and show, using diagrams, families of common equivalent fractions read and write decimal numbers as fractions. recognise mixed and improper fractions and convert between them. 	<ul style="list-style-type: none"> solve problem involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
Autumn 2 week 5	Number - Multiplication	<ul style="list-style-type: none"> recall multiplication and division facts for multiplication tables up to 12×12 	Measurement	<ul style="list-style-type: none"> read, write and convert time between analogue and digital 12- and 24-hour clocks 	<ul style="list-style-type: none"> solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
Autumn 2 week 6	Statistics	<ul style="list-style-type: none"> interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. (Venn & Carroll Diagrams) 	Statistics	<ul style="list-style-type: none"> interpret and present discrete and continuous data using appropriate graphical methods, including line graphs. 	<ul style="list-style-type: none"> solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.
Autumn 2 week 7	<ul style="list-style-type: none"> Review and Assessment 				