

Driver: Geographical knowledge

Main learning Challenge: Where does my food come from and where does it go?

	<b>Week 1</b> Where does our incredible food come from?	<b>Week 2</b>	<b>Week 3</b> Where does our incredible food arrive?	<b>Week 4</b>	<b>Week 5</b> What happens next to our incredible food?	<b>Week 6</b>
<b>Maths Learning Challenge</b>	<p>Measurement</p> <p>Y3 - Can you use lengths (m, cm, mm) and capacity and volume (ml/l) to measure objects?</p> <p>Y4 - Can you measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres?</p>	<p>Statistics</p> <p>Y3 - Can you interpret and present data using bar charts, pictograms and tables?</p> <p>Y4 - Can you interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs?</p>	<p>Addition/Subtraction</p> <p>Y3 - Can you add 3d numbers using informal methods? Can you solve problems linked to addition and subtraction?</p> <p>Y4 - Can you solve addition and subtraction <b>two-step</b> problems in contexts, deciding which operations and methods to use and why?</p>	<p>multiplication</p> <p>y3- Can you multiply 2D by 1D using formal methods (multiplication grids)? Can you write and calculate mathematical statements for times and divide using multiplication tables?</p> <p>y4- Can you multiply 3D by 1D using formal written methods?</p>	<p>Multiplication and Division</p> <p>Y3 - Can you solve 1 step problem solving selecting the correct calculation (+/ - or x/ ÷), including positive integer scaling problems?</p> <p>Y4 - Can you solve problems involving multiplying and adding, including integer scaling problems?</p>	<p>fractions and decimals</p> <p>y3- Can you recognise and show equivalent fractions? Can you solve problems linked to equivalent fractions?</p> <p>y4- Can you recognise and write decimal equivalents of any number of tenths or hundredths? Can you recognise and write decimal equivalents <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>?</p>
<b>Basic Skills Focus</b>	<p>Y3- x 4 multiples of 4 3d + 10s measuring- length, capacity and volume reading measures using equipment to measure</p> <p>Y4- multiples of 7 Round any number to the nearest 10,</p>	<p>Y3- x3 calculate mathematic times and derived statements multiples of 100 collecting data presenting data interpreting data</p> <p>Y4- x 6 inverse/ derived facts dividing by 10/100</p>	<p>Y3- x 3 factors and multiples addition method subtraction method problem solving rising stars balancing picture puzzles</p> <p>Y4- x 6 multiples and factors count backwards through zero</p>	<p>Y3- x 4 multiples of 50 compare and order numbers to 1000 formal method for multiplication mathematical statements for times and divide</p> <p>Y4- all times tables inverse facts Use place value, known</p>	<p>Y3- x3 calculate mathematic times and dived statements multiples of 100 division method- bus stop multiplication method integer scaling</p> <p>Y4- x6 inverse facts recap addition and</p>	<p>Y3- x 4 divide by 4 (half and half again) fractions vocab common equivalent fractions/ fraction families fraction walls problem solving with fractions</p> <p>Y4- all times tables compare numbers with</p>

	<p>100 or 1000 recall multiplication and division facts up to 12 x 12 lines of symmetry in basic shapes symmetry in different orientations completing symmetrical figure</p>	<p>interpreting data discrete data continuous data problem solving- 2 step questions</p>	<p>addition method subtraction method other vocab for add etc problem solving- 2 step how do we know what operation to use?</p>	<p>and derived facts to multiply and divide mentally, including multiplying together 3 numbers compare and order numbers beyond 1000 3D by 1D multiplication problem solving</p>	<p>multiplying methods integer scaling problems</p>	<p>the same number of decimal places up to 2 decimal places. decimal equivalents fraction and decimal equivalents to <math>\frac{1}{4}</math> and <math>\frac{1}{2}</math></p>
<b>Number</b>	<p>Y3- x 4 3d + 10s multiples of 4  Y4- multiples of 7 Round any number to the nearest 10, 100 or 1000 recall multiplication and division facts up to 12 x 12</p>	<p>Y3- x 4 3d + 10s multiples of 4  Y4- multiples of 7 Round any number to the nearest 10, 100 or 1000 recall multiplication and division facts up to 12 x 12</p>	<p>Y3- x 4 3d + 10s multiples of 4  Y4- multiples of 7 Round any number to the nearest 10, 100 or 1000 recall multiplication and division facts up to 12 x 12</p>	<p>Y3- multiples of 50 compare and order numbers up to 1000 divide by 4 (half and half again)  Y4- Use place value, known and derived facts to multiply and divide mentally, including multiplying together 3 numbers compare and order numbers beyond 1000 compare numbers with the same number of decimal places up to 2 decimal places.</p>	<p>Y3- multiples of 50 compare and order numbers up to 1000 divide by 4 (half and half again)  Y4- Use place value, known and derived facts to multiply and divide mentally, including multiplying together 3 numbers compare and order numbers beyond 1000 compare numbers with the same number of decimal places up to 2 decimal places.</p>	<p>Y3- multiples of 50 compare and order numbers up to 1000 divide by 4 (half and half again)  Y4- Use place value, known and derived facts to multiply and divide mentally, including multiplying together 3 numbers compare and order numbers beyond 1000 compare numbers with the same number of decimal places up to 2 decimal places.</p>
<b>Calculation</b>	division	addition	subtraction	multiplication	addition and subtraction	4 operations
<b>Shape and Measure</b>	properties of shape/ angles/ symmetry		time recap		measures	

<b>Problem solving</b>	concept cartoon		always/sometimes/ never		rising stars problem solving/ reasoning books	
<b>Generalising</b>	NRICH		Rising star example questions		complete the sequence	
<b>Reasoning</b>	rising stars problem solving/ reasoning books					
<b>Key Vocabulary</b>	Measure, length, capacity, perimeter, width, height distance, scale, interval	Statistics pictogram bar chart scale, continuous, discrete, axis,	Sum, total, add, more, plus, make altogether, equal to, double, units, partition	Multiple, product	Share, equally, each, divide, into, grouping, inverse, multiple remainder, product	Denominator, numerator, tenths, equivalent,
<b>Wider curriculum opportunities/links</b>	Calculate the time and distance it takes for food to get from source to plate.		Research the length of our intestines and compare with other humans/ mammals.		Collect data about the foods we eat in school and at home.	
<b>Pre teaching</b>	basic calculations- add and subtract		problem solving vocabulary		basic fractions	