



WC 08/11	<b>Number Recap</b> <ul style="list-style-type: none"> <li>- Types of number</li> <li>- Mental methods</li> <li>- Arithmetic with fractions</li> </ul>	
WC 15/11	<b>Equations and Inequalities</b> <ul style="list-style-type: none"> <li>- Understand the meaning of a solution</li> <li>- Form and solve one-step and two-step equations</li> </ul>	176 Forming equations 179-182 Solve 2-step equations 184 Solve equations with x on both sides
WC 22/11	<ul style="list-style-type: none"> <li>- Form and solve one-step and two-step inequalities</li> </ul>	206 Straight line graphs
WC 29/11	<ul style="list-style-type: none"> <li>- Show solutions to inequalities on a number line</li> <li>- Interpret representations on number line as inequalities</li> <li>- Draw straight line graphs</li> <li>- Find solutions to equations using straight line graphs</li> <li>- Form and solve equations with unknowns on both sides</li> <li>- Form and solve inequalities with unknown on both sides</li> <li>- Form and solve more complex equations and inequalities</li> </ul>	267 Integer solutions to inequalities 269-271 Solve linear inequalities 265 Representing inequalities on a number line 273 Linear inequalities as graph regions
WC 06/12	<b>Simultaneous Equations</b> <ul style="list-style-type: none"> <li>- Understand that equations can have more than one solution</li> <li>- Determine whether a given coordinate is a solution to a pair of linear equations</li> <li>- Solve a pair of linear simultaneous equations using graphs</li> <li>- Solve a pair of linear simultaneous equations by adding or subtracting equations</li> <li>- Use a given equation to derive related facts</li> <li>- Solve a pair of linear simultaneous equations by adjusting one equation</li> <li>- Solve a pair of linear simultaneous equations by adjusting both equations</li> <li>- Form a pair of linear simultaneous equations from given information</li> <li>- Form and solve a pair of linear simultaneous equations from given information</li> </ul>	
WC 13/12	<b>Revision</b>	
<b>Half Term 3</b>		
Date	Curriculum Overview	Home Learning <a href="#">Hegarty Maths Video and Quiz Numbers</a>
WC 03/01	<b>Angles and Bearings</b> <ul style="list-style-type: none"> <li>- Draw and interpret scale diagrams</li> <li>- Understand and represent bearings</li> <li>- Measure and read bearings</li> <li>- Make scale drawings using bearings</li> <li>- Calculate bearings using angle rules</li> <li>- Solve bearings problems using Pythagoras and trigonometry</li> </ul>	
WC 10/01		
WC 17/01	<b>Working with circles</b> <ul style="list-style-type: none"> <li>- Recognise and label parts of a circle</li> <li>- Calculate the fractional parts of a circle</li> <li>- Calculate the length of an arc</li> <li>- Calculate the area of a sector</li> <li>- Understand and use the volume of a cylinder and cone</li> <li>- Understand and use the volume of a sphere</li> <li>- Understand and use the surface area of a sphere</li> <li>- Understand and use the surface area of a cylinder and cone</li> </ul>	
WC 24/01		
WC 31/01	<b>Vectors</b> <ul style="list-style-type: none"> <li>- Understand and represent vectors</li> <li>- Use and read vector notation</li> <li>- Draw and understand vectors multiplied by a scalar</li> <li>- Draw and understand addition and subtraction of vectors</li> </ul>	
WC 07/02		
<b>Half Term 4</b>		

Date	Curriculum Overview	Home Learning <a href="#">Hegarty Maths Video and Quiz Numbers</a>
WC 21/02	<b>Ratios and Fractions</b> <ul style="list-style-type: none"> <li>- Compare quantities using a ratio</li> <li>- Link ratios and fractions</li> <li>- Share in a ratio (given total or one part)</li> <li>- Use ratios and fractions to make comparisons</li> <li>- Link ratios and graphs</li> <li>- Solve problems with currency conversion</li> <li>- Link ratios and scales</li> <li>- Use and interpret ratios of the form 1:n and n:1</li> <li>- Solve best buy problems</li> <li>- Combine a set of ratios</li> <li>- Link ratio and algebra</li> <li>- Mixed ratio problems</li> </ul>	
WC 28/02		
WC 07/03	<b>Percentages and Interest</b> <ul style="list-style-type: none"> <li>- Convert and compare fractions, decimals and percentages</li> <li>- Work out percentages of amounts (with and without a calculator)</li> <li>- Increase and decrease by a given percentage</li> <li>- Express one number as a percentage of another</li> <li>- Calculate simple and compound interest</li> <li>- Repeated percentage change</li> <li>- Find the original value after a percentage change</li> <li>- Solve problems involving growth and decay</li> <li>- Solve problems involving percentages, ratios and fractions</li> </ul>	
WC 14/03		
WC 21/03	<b>Probability</b> <ul style="list-style-type: none"> <li>- Know how to add, subtract and multiply fractions</li> <li>- Find probabilities using equally likely outcomes</li> <li>- Use the property that probabilities sum to 1</li> <li>- Using experimental data to estimate probabilities</li> <li>- Find probabilities from tables, Venn diagrams and frequency trees</li> <li>- Construct and interpret sample spaces for more than one event</li> <li>- Calculate probabilities with independent events</li> <li>- Use tree diagrams for independent events</li> <li>- Use free diagrams for dependent events</li> </ul>	
WC 28/03		

**Half Term 5**

Date	Curriculum Overview	Home Learning <a href="#">Hegarty Maths Video and Quiz Numbers</a>
WC 19/04	<b>Collecting, Representing and Interpreting Data</b> <ul style="list-style-type: none"> <li>- Understand populations and samples</li> <li>- Construct a stratified sample</li> <li>- Primary and secondary data</li> <li>- Construct and interpret frequency tables and frequency polygons</li> <li>- Construct and interpret two-way tables</li> <li>- Construct and interpret line and bar charts (including composite bar charts)</li> <li>- Construct and interpret pie charts</li> <li>- Criticise charts and graphs</li> <li>- Find and interpret averages from a list</li> <li>- Find and interpret averages from a table</li> <li>- Construct and interpret time series graphs</li> <li>- Construct and interpret stem and leaf diagrams</li> <li>- Construct and interpret scatter graphs</li> <li>- Draw and use a line of best fit</li> <li>- Understand extrapolation</li> </ul>	
WC 26/04		
WC 02/05		
WC 09/05		
WC 16/05		
WC 23/05		

**Half Term 6**

Date	Curriculum Overview	Home Learning <a href="#">Hegarty Maths Video and Quiz Numbers</a>
WC 06/06	<b>Non Calculator Methods</b>	
WC 13/06	<ul style="list-style-type: none"> <li>- Mental/written methods of integer/decimal addition and subtraction</li> <li>- Mental/written methods of integer/decimal multiplication and division</li> <li>- The four rules of fraction arithmetic</li> <li>- Exact answers</li> <li>- Rounding to decimal places and significant figures</li> <li>- Estimating answers to calculations</li> <li>- Understand and use limits of accuracy</li> <li>- Use number sense</li> <li>- Solve financial maths problems</li> <li>- Break down and solve multi-step problems</li> </ul>	
WC 20/06	<b>Types of Number and Sequences</b>	
WC 27/06	<ul style="list-style-type: none"> <li>- Understand the difference between factors and multiples</li> <li>- Understand primes and express a number as a product of its prime factors</li> <li>- Find the HCF and LCM of a set of numbers</li> <li>- Describe and continue arithmetic and geometric sequences</li> <li>- Explore other sequences</li> <li>- Find the rule for the nth term of a linear sequence</li> </ul>	
WC 04/07	<b>Indices and Roots</b>	
WC 11/07	<ul style="list-style-type: none"> <li>- Square and cube numbers</li> <li>- Calculate higher powers and roots</li> <li>- Powers of ten and standard form</li> <li>- The addition and subtraction rules for indices</li> <li>- Understand and use the power zero and negative indices</li> <li>- Work with powers of powers</li> <li>- Calculate with numbers in standard form</li> </ul>	
WC 18/07		