

S2 Curriculum for Excellence Level 3 Course	
August - September	
Number and number processes	
3-03a	I can use a variety of methods to solve number problems in familiar contexts, clearly communicating my processes and solutions. <a href="https://www.mathsisfun.com/numbers/index.html">https://www.mathsisfun.com/numbers/index.html</a>
3-03b	I can continue to recall number facts quickly and use them accurately when making calculations.
3-04a	I can use my understanding of numbers less than zero to solve simple problems in context. <a href="https://www.mathsisfun.com/positive-negative-integers.html">https://www.mathsisfun.com/positive-negative-integers.html</a>
Ideas of chance and uncertainty	
3-22a	I can find the probability of a simple event happening and explain why the consequences of the event, as well as its probability, should be considered when making choices. <a href="https://www.mathsisfun.com/data/probability.html">https://www.mathsisfun.com/data/probability.html</a>
September – October	
Fractions, decimal fractions and percentages <a href="https://www.mathsisfun.com/fractions-menu.html">https://www.mathsisfun.com/fractions-menu.html</a> <a href="https://www.mathsisfun.com/percentage-menu.html">https://www.mathsisfun.com/percentage-menu.html</a> <a href="https://www.mathsisfun.com/decimals-menu.html">https://www.mathsisfun.com/decimals-menu.html</a>	
3-07a	I can solve problems by carrying out calculations with a wide range of fractions, decimal fractions and percentages, using my answers to make comparisons and informed choices for real life situations. . <a href="https://www.mathsisfun.com/decimal-fraction-percentage.html">https://www.mathsisfun.com/decimal-fraction-percentage.html</a>
3-07b	By applying my knowledge of equivalent fractions and common multiples, I can add and subtract commonly used fractions. <a href="https://www.mathsisfun.com/fractions_addition.html">https://www.mathsisfun.com/fractions_addition.html</a>
3-07c	Having used practical, pictorial and written methods to develop my understanding. I can convert between whole or mixed numbers and fractions. . <a href="https://www.mathsisfun.com/proper-fractions.html">https://www.mathsisfun.com/proper-fractions.html</a>
3-08a	I can show how quantities that are related can be increased or decreased proportionally and apply this to solve problems in everyday context. <a href="https://www.mathsisfun.com/definitions/proportional.html">https://www.mathsisfun.com/definitions/proportional.html</a>
October Assessment	
Mathematics - its impact on the world, past present and future	
3-12a	I have worked with others to research a famous mathematician and the work they are known for, or investigated a mathematical topic, and have prepared and delivered a short presentation.
November - December	
Estimation and rounding <a href="https://www.mathsisfun.com/rounding-numbers.html">https://www.mathsisfun.com/rounding-numbers.html</a>	
3-01a	I can round a number using an appropriate degree of accuracy, having taken into account the context of the problem
Data and analysis <a href="https://www.mathsisfun.com/data/">https://www.mathsisfun.com/data/</a>	
3-20a	I can work collaboratively, making appropriate use of technology, to source information presented in a variety of ways, interpret what it conveys and discuss whether I believe the information to be robust, vague or misleading
3-20b	When analysing information or collecting data of my own, I can use my understanding of how bias may arise and how sample size can affect precision, to ensure that the data allows for fair conclusions to be drawn
3-21a	I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams, graphs, making effective use of technology
Properties of 2D shapes and 3D objects	
3-16a	Having investigated a range of methods, I can accurately draw 2D shapes using appropriate mathematical instruments and methods. <a href="https://www.mathsisfun.com/geometry/construct-ruler-compass-1.html">https://www.mathsisfun.com/geometry/construct-ruler-compass-1.html</a>
Time	
3-10a	Using simple time periods I can work out how long a journey will take, the speed travelled at or distance covered, using my knowledge of the link between time, speed and distance. <a href="https://www.mathsisfun.com/measure/speed-velocity.html">https://www.mathsisfun.com/measure/speed-velocity.html</a>
December Assessment	

<b>January - February</b>	
<b>Expressions and equations</b> <a href="https://www.mathsisfun.com/algebra/index.html">https://www.mathsisfun.com/algebra/index.html</a>	
<b>3-14a</b>	I can collect like algebraic terms, simplify expressions and evaluate using substitution. . <a href="https://www.mathsisfun.com/algebra/like-terms.html">https://www.mathsisfun.com/algebra/like-terms.html</a> <a href="https://www.mathsisfun.com/algebra/substitution.html">https://www.mathsisfun.com/algebra/substitution.html</a>
<b>3-15a</b>	Having discussed ways to express problems or statements using mathematical language, I can construct, and use appropriate methods to solve, a range of simple equations.
<b>Patterns and relationships</b>	
<b>3-13a</b>	Having explored number sequences, I can establish the set of numbers generated by a given rule and determine a rule for a given sequence, expressing it using appropriate notation.
<b>February Assessment</b>	
<b>February - March</b>	
<b>Angle, symmetry and transformation</b>	
<b>3-17a</b>	I can name angles and find their sizes using my knowledge of the properties of a range of 2D shapes and the angle properties associated with intersecting and parallel lines. . <a href="https://www.mathsisfun.com/angles.html">https://www.mathsisfun.com/angles.html</a> <a href="https://www.mathsisfun.com/geometry/parallel-lines.html">https://www.mathsisfun.com/geometry/parallel-lines.html</a>
<b>3-17b</b>	Having investigated navigation in the world, I can apply my understanding of bearings and scale to interpret maps and plans and create accurate plans, and scale drawings of routes and journeys. <a href="https://www.mathsisfun.com/measure/compass-north-south-east-west.html">https://www.mathsisfun.com/measure/compass-north-south-east-west.html</a>
<b>3-17c</b>	I can apply my understanding of scale when enlarging or reducing pictures and shapes, using different methods, including technology. <a href="https://www.mathsisfun.com/definitions/scale.html">https://www.mathsisfun.com/definitions/scale.html</a>
<b>3-18a</b>	I can use my knowledge of the co-ordinate system to plot and describe the location of a point on a grid. <a href="https://www.mathsisfun.com/data/cartesian-coordinates.html">https://www.mathsisfun.com/data/cartesian-coordinates.html</a>
<b>3-19a</b>	I can illustrate the lines of symmetry for a range of 2D shapes and apply my understanding to create and complete symmetrical pictures and patterns. <a href="https://www.mathsisfun.com/geometry/symmetry.html">https://www.mathsisfun.com/geometry/symmetry.html</a>
<b>April Assessment</b>	
<b>April – June</b>	
<b>Multiples, factors and primes</b> <a href="https://www.mathsisfun.com/numbers/factors-multiples.html">https://www.mathsisfun.com/numbers/factors-multiples.html</a>	
<b>3-05a</b>	I have investigated strategies for identifying common multiples and common factors, explaining my ideas to others and can apply my understanding to solve related problems.
<b>3-05b</b>	I can apply my understanding of factors to investigate and identify when a number is prime. <a href="https://www.mathsisfun.com/definitions/prime-number.html">https://www.mathsisfun.com/definitions/prime-number.html</a>
<b>Powers and roots</b> <a href="https://www.mathsisfun.com/square-root.html">https://www.mathsisfun.com/square-root.html</a> <a href="https://www.mathsisfun.com/numbers/nth-root.html">https://www.mathsisfun.com/numbers/nth-root.html</a>	
<b>3-06a</b>	Having explored the notation and vocabulary associated with whole number powers and the advantages of writing numbers in this form, I can evaluate powers of whole numbers mentally or using technology.
<b>Measurement</b> <a href="https://www.mathsisfun.com/measure/index.html">https://www.mathsisfun.com/measure/index.html</a>	
<b>3-11a</b>	I can solve practical problems by applying my knowledge of measure, choosing the appropriate units and degree of accuracy for the task and using a formula to calculate area or volume when required.
<b>3-11b</b>	Having investigated different routes to a solution, I can find the area of compound 2D shapes and the volume of compound 3D objects, applying my knowledge to solve practical problems. <a href="https://www.mathsisfun.com/area.html">https://www.mathsisfun.com/area.html</a> <a href="https://www.mathsisfun.com/geometry/cuboids-rectangular-prisms.html">https://www.mathsisfun.com/geometry/cuboids-rectangular-prisms.html</a>
<b>June Assessment</b>	
<b>Money</b> <a href="https://www.mathsisfun.com/money/index.html">https://www.mathsisfun.com/money/index.html</a>	
<b>3-09a</b>	When considering how to spend my money, I can source, compare and contrast different contracts and services, discuss their advantages and disadvantages, and explain which offer best value to me.
<b>3-09b</b>	I can budget effectively, making use of technology and other methods, to manage money and plan for future expenses.