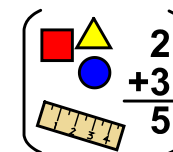


# Curriculum Overview

Subject: Maths

2017 - 18



**Vision for Maths** We are surrounded by mathematics in our everyday lives. Making a drink, catching a bus, shopping for food and budgeting an income are all vital skills we need for independent living. Mathematics helps children to make sense of the world around them. By developing their ability to calculate, to reason and to solve problems, it enables children to understand and appreciate relationships and pattern in both number and space in their everyday lives. The more familiar and proficient our students become with maths in the real world, the more confident and effective they will feel as members of our community.

|          | Autumn 1   | Autumn 2   | Spring 1  | Spring 2   | Summer 1   | Summer 2   |
|----------|--|--|---|--|--|--|
|          | <b>Places, Faces and Different Spaces</b><br>7 weeks                               | <b>That's Entertainment</b><br>7wk 2 days                | <b>Kings and their Kingdoms</b><br>6wks 4 days  | <b>Get moving Commonwealth games.</b><br>5 weeks | <b>Let's Go Outside/Creature Feature.</b><br>6 weeks | <b>A Day at the Beach (or Life's a Beach)</b><br>7 weeks |
| KS2      | NF - Strand 2 - Counting and Understanding number                                  |  | NF - Strand 3 - Knowing and using number  |  | NF - Strand 4 - Calculating                          |  |
|          | Measures:<br>Length/distance<br>Capacity<br>Area/ perimeter ( 4* 5* only )<br>Time | Shape<br>(2D/3D<br>Shapes/pattern/<br>Symmetry)<br>Money | Handling Data<br><br>Shape<br>( position, direction, distance<br>whole/quarter/half turns ) | Money<br><br>Time                                | Handling Data<br><br>Shape                           | Money<br><br>Measures - Capacity & weight                |
| Year 7/8 | NF - Strand 2 - Counting and Understanding number                                  |  | NF - Strand 3 - Knowing and using number  |  | NF - Strand 4 - Calculating                          |  |
|          | Measures:<br>Length/distance<br>capacity<br>Area/ perimeter ( 4* 5* only )<br>Time | Shape<br>(2D/3D<br>Shapes/pattern/<br>Symmetry)<br>Money | Handling Data<br><br>Shape<br>( position, direction, distance<br>whole/quarter/half turns ) | Money<br><br>Time                                | Handling Data<br><br>Shape                           | Money<br><br>Measures - Capacity & weight                |

|         |  |   |   |   |   |  |
|---------|--|---|---|---|---|--|
| Year 9  | NF - Strand 2 - Counting and Understanding number  |   | NF - Strand 3 - Knowing and using number  |   | NF - Strand 4 - Calculating   |  |
|         | <b>Measures</b><br>Area/ perimeter ( 4* 5* only )<br>Conversion<br>Different intervals.  | <b>Shape</b><br>Angles/reflection/ movement<br>Co-ordinates.<br>Money   | <b>Handling Data</b><br>Ratio/ Proportion<br>A range of graphs and<br>Frequency charts.<br>Mode, Median and range   | <b>Money</b><br>In everyday life -<br>including percentage,<br>fractions and<br>decimals.   | <b>Handling Data</b><br>Ratio/ Proportion<br>A range of graphs and<br>Frequency charts.<br>Mode, Median and range | <b>Measures -</b><br>Area/ perimeter (4* 5* only )<br>Conversion<br>Different intervals. |
| Year 10 | Whole numbers and Calculations<br><br>Multiples  | Shapes and Solids<br><br>Symmetry and Transformations   | Units and Measures<br><br>Lists and Outcomes  | Formulaes<br>Number   | Scales and Graphs<br>Time   | Averages and trends (data handling project)  |
| Year 11 | Position, Add and Subtract, counting, Numbers to 100, counting in 2's, 1 more/less, 10 more/less, recognise odd and even numbers, Multiply by 10, find the missing number, calculate halves/quarters, Write, order and verbalise numbers to 1000 | Left/right, position, drawing and identifying shapes, sorting and classifying, compare weights of common objects, Measure lengths, recognise mm, cm etc, identify pictures of 3D objects, judge whether an object weighs more or less than 1kg, Know terms for 3D objects, right angle and parallel, 4 compass points | Choose the appropriate operation, give 1 or more numbers lying between 2 others, count back in 3's and 4s, count on in 10's, vocabulary, number bonds to 20, +/- 2 numbers non calculator, add multiples of 10, Select coins and give change up to £5, multiplication and division of money | Recognise and continue simple spatial patterns, read and mark a scale, read digital and analogue clocks to 5 minutes, Explain how to find/draw next shape in spatial pattern, make and describe patterns, temperatures, start and end times | Travel time tables, 2 way tables, extract siple information form a calendar<br><br>ASSESSMENT                     | Functional and practical activities  |
| Post 16 | To be linked to the world of work  |   |   |   |   |  |
|         | Developing and Applying Shape and Space Skills   |   | Time  |   | Measuring Distance and Length   |  |