



Curriculum Plan-Subject: Mathematics

Stage 6

Autumn Term	Spring Term	Summer Term
<p>Numbers and the Number System- Finding factors, multiples and primes (6hours)</p> <p>Calculating - Using addition, subtraction and multiplication on 2 and 3 digit numbers(6 hours)</p> <p>Calculating:Division - Using formal methods of long and short division on whole and decimal numbers(6 hours)</p> <p>Visualising and Constructing - Working with nets of 3-D shapes and tessellation in 2-D (6</p>	<p>Proportional reasoning - Use basic proportion to increase and decrease quantities (6 hours)</p> <p>Pattern sniffing - Spotting patterns and sequences and making predictions about future terms (4hours)</p> <p>Measuring space - Converting between metric units of measurement (6 hours)</p> <p>Investigating angles - Using angle facts around intersecting lines (4 hours)</p>	<p>Calculating Space - Calculate with area and perimeter of rectangles and triangles. Calculate volumes of cubes (4 hours)</p> <p>Checking approximating and estimating - Check calculations by using appropriate place value calculations with whole numbers and decimals(4 hours)</p> <p>Mathematical Movement - Use the 4 quadrant co-ordinate grid to complete shapes, translations and reflections(4 hours)</p>
HALF TERM		
<p>Investigating Properties of shape - Properties of 2-D shapes including basic angle facts of lines, points and triangles (8 hours)</p> <p>Algebraic proficiency :Using Formulae - Using basic formulae given in words (4 hours)</p> <p>Exploring Fractions decimals and percentages (12 hours) - Calculating and problem solving with fraction, decimal and percentage equivalencies</p>	<p>Calculating Fractions decimals and percentages - Using fractions, decimals and percentages to solve problems related to proportions of amounts(12 hours)</p> <p>Solving equations and inequalities - Set up and solve missing number problems in 1 or 2 variables (4 hours)</p> <p>Calculating Space - Calculate with area and perimeter of rectangles and triangles. Calculate volumes of cubes (4 hours)</p>	<p>Presentation of data- Construct appropriate graphs and charts from data given in a variety of different formats (8 hours)</p> <p>Measuring Data - Use the mean and range as ways of calculating and comparing data (4 hours)</p>

Bishop Milner Catholic College

