



Key content – knowledge and skills	National Curriculum Focus
<p>Each term there will focus on working mathematically, reasoning mathematically and solving problems in all of the core areas.</p> <p>Autumn 1: Factors and powers & Working with powers, Number & Area and volume, Number properties and calculations & Shape and measure in 3D</p> <p>Autumn 2: 2D shapes and 3D solids & Real life graphs, Expressions and equations & Real life graphs, Statistics & Expression and equations</p> <p>Spring 1: Transformations and Fractions, decimals and percentages, Decimals and ratio & Lines and angles, Decimals calculations & angles</p> <p>Spring 2: Construction and loci, Calculating with fractions, Number properties</p> <p>Summer 1: Probability & Scale drawing and measures, Straight line graphs & Percentages, decimals and fractions, Sequences & Fractions and percentages</p> <p>Summer 2: Graphs, Statistics, graphs and charts, Probability</p>	<p>Subject content from the National Curriculum Framework Document September 2013:</p> <p>8N1-16</p> <p>8A1-16</p> <p>8R1-10</p> <p>8G1-16</p> <p>8P1-4</p> <p>8S1-3</p>
Key assessment points	
<p>There will be one assessment each term (with the exception of the Spring Half-term and Summer Half-term). Unit tests will be covered.</p> <p>Autumn 1: Half term Unit 1-2 test Autumn 2: End-of-term test Unit 1-4 Spring 1: Teacher assessment* Spring 2: End-of-term test 5-7 Summer 1: Teacher assessment Summer 2: End of year Exam units 1-10</p> <p>*Unit tests will be conducted to measure progress, this will be part of teacher assessment.</p>	
Christian ethos	

With all mathematics studied we will be exploring how skills such as problem solving, numerical reasoning and real life applications, covered in each topic, will make our students confident and motivated, fully equipped to make a positive contribution to society.

British values

An explicit opportunity in the Year 7 curriculum to explore British values falls within the discussion and debate created from exploring real life applications created from mathematics. Teachers will guide and advise students appropriately.

Year Overview

Subject: Year 7 Maths Omega/Gamma/Alpha
Long-term plan



ST. MARY MAGDALENE
 C OF E SCHOOL
 PENINSULA CAMPUS
 Excellence through innovation,
 founded in faith since 1840.

Week	Month	Learning Intentions and/or Key Questions
Aut1-1	September	Units 1 & 2 Factors and powers & Working with powers, Number & Area and volume, Number properties and calculations & Shape and measure in 3D
Aut1-2		
Aut1-3		
Aut1-4		
Aut1-5	October	Half term assessment on Unit 1&2
Aut1-6		
Aut1-7		
		Half term holiday
Aut2-1	November	Units 3 & 4 2D shapes and 3D solids & Real life graphs, Expressions and equations & Real life graphs, Statistics & Expression and equations
Aut2-2		
Aut2-3		
Aut2-4		
Aut2-5		
Aut2-6	December	End of term assessment on Units 1,2,3 & 4
Aut2-7		
		Christmas holiday
Spr1-1	January	Units 5 & 6 Transformations and Fractions, decimals and percentages, Decimals and ratio & Lines and angles, Decimals calculations & angles
Spr1-2		
Spr1-3		
Spr1-4		
Spr1-5		
Spr1-6	February	Teacher assessment
		Half term holiday
Spr2-1	March	Unit 7 Construction and loci, Calculating with fractions, Number properties
Spr2-2		
Spr2-3		
Spr2-4		
Spr2-5		
Spr2-6		
		End of term assessment on Units 5,6 & 7
	April	Easter holiday
Sum1-1	May	Units 8 & 9 Probability & Scale drawing and measures, Straight line graphs & Percentages, decimals and fractions, Sequences & Fractions and percentages
Sum1-2		
Sum1-3		
Sum1-4		
Sum1-5		
Sum1-6		
		Teacher assessment
	June	Half term holiday
Sum2-1	July	Unit 10 and unit 1 of year 8 Graphs, Statistics, graphs and charts, Probability
Sum2-2		
Sum2-3		
Sum2-4		
Sum2-5		End of year exam on ALL units – 1 to 10.
Sum2-6		
Sum2-7		