Subject: Year 7 Maths Omega/Gamma/Alpha

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

Key content – knowledge and skills	National Curriculum focus
Each term there will focus on working mathematically, reasoning mathematically and solving problems in all of the core areas. **Autumn 1: Analysising and displaying data & number skills, Analysising and displaying data & number skills, Analysising and displaying data & calculating.** **Autumn 2: Equations, functions and formulae & fractions, Equations, functions and formulae & decimals and measure, Equations, functions and formulae & graphs.** **Spring 1: Angles and shapes & decimals, fractions & probability, factors and multiples & units of measure.** **Spring 2: Equations, ratio and proportion, angles and lines.** **Summer 1: Multiplicative reasoning & perimeter, area and volume, lines and angles & sequences and graphs, measuring and shapes & fractions, decimals and percentages.** **Summer 2: Sequences and graphs & fractions and powers, transformations & number, transformations & number properties and calculations.**	**Subject content from the National Curriculum Framework Document September 2013:** **7N1-16** **7A1-16** **7R1-10** **7G1-16** **7P1-4** **7S1-3**

Key assessment points

There will be one assessment each term (with the exception of the Spring Half-term and Summer Half-term). Unit tests will be covered.

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

*Unit tests will be conducted to measure progress, this will be part of teacher assessment.

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 motivaited, 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

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Long-term plan

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Week	Month	Learning Intentions and/or Key Questions
Aut1-1	September	**Units 1 & 2**
Aut1-2		**Analysising and displaying data & number skills, Analysising**
Aut1-3		**and displaying data & number skills, Analysising and**
Aut1-4		**displaying data & calculating.**
Aut1-5	October	
Aut1-6		
Aut1-7		**Half term assessment on Unit 1&2**
		Half term holiday
Aut2-1	November	**Units 3 & 4**
Aut2-2		**Equations, functions and formulae & fractions, Equations,**
Aut2-3		**functions and formulae & decimals and measure, Equations,**
Aut2-4		**functions and formulae & graphs.**
Aut2-5		
Aut2-6	December	
Aut2-7		**End of term assessment on Units 1,2,3 & 4**
		Christmas holiday
Spr1-1	January	**Units 5 & 6**
Spr1-2		**Angles and shapes & decimals, fractions & probability, factors**
Spr1-3		**and multiples & units of measure.**
Spr1-4		
Spr1-5		
Spr1-6	February	**Teacher assessment**
		Half term holiday
Spr2-1		**Unit 7**
Spr2-2		**Equations, ratio and proportion, angles and lines.**
Spr2-3	March	
Spr2-4		
Spr2-5		
Spr2-6		**End of term assessment on Units 5,6 & 7**
	April	Easter holiday
Sum1-1		**Units 8 & 9**
Sum1-2		**Multiplicative reasoning & perimeter, area and volume, lines**
Sum1-3	May	**and angles & sequences and graphs, measuring and shapes**
Sum1-4		**& fractions, decimals and percentages.**
Sum1-5		
Sum1-6		**Teacher assessment**
	June	Half term holiday
Sum2-1		**Unit 10 and unit 1 of year 8**
Sum2-2		**Sequences and graphs & fractions and powers,**
Sum2-3		**transformations & number, transformations & number**
Sum2-4		**properties and calculations.**
Sum2-5	July	
Sum2-6		
Sum2-7		**End of year exam on ALL units – 1 to 10.**