Year 4IP	<b>Core Math</b>	Course	Outline

Term 1	Topics	
Unit 1	Algebraic Manipulation	
	Algebraic Mainpulation	
Unit 2	Set Theorem	
2.1	Set Theory     Set language and notation	
2.1		
2.2	Venn diagram	
Unit 3	Congruence and Similarity	
3.1	Congruency and Similarity	
3.2	Congruent triangle	
3.3	Similar triangle   Area and Volume of similar figures	
5.5	Area and Volume of similar figures	
Unit 4	Circle Theorem	
4.1	Symmetrical properties of circle	
4.2	Angle properties of circle	
7.2	Alige properties of circle	
Term 2		
Unit 5	Arc Length, Area of Sector and Radian Measure	
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Unit 6	Vectors in 2 dimensions	
6.1	Vectors on the coordinate plane	
6.2	Application of vectors in geometry	
Unit 7	Linear Law	
Unit /		
Unit 8	Statistics (I) – Frequency Distribution and Measures of Central	
Unit o		
	Tendency	
8.1	Frequency distribution, histogram, frequency polygon	
8.2	Mean, median, mode	
<b>T</b> 2		
Term 3		
Unit 9	Statistics (II) – Cumulative Frequency Distribution and Box-and-	
0.1	Whisker Diagram	
9.1	Cumulative frequency curve	
9.2	Box and whisker diagram	
Unit 10	Statistics (III) – Standard Deviation	
	Stausuus (111) – Stanuaru Deviauon	
Unit 11	Mathematics in Practical Situations	
11.1	Profit and Loss / Simple Interest and Compound Interest/ Hire-Purchase	
11.1	Utility Bills/ Money Exchange / Taxation	
11.2		
Unit 12	Graphs in Practical Situations	
12.1	Tables, Charts & Graphs	
12.1	Distance- Time Graphs & Speed-Time Graphs	
14.4		
Unit 13	Number Patterns	
Unit 14	Probability	
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