

YEAR 4 (IP) CORE MATHEMATICS

S/No	Topics
	Term 1
1.	Algebraic Manipulation
2.	Volume and Surface Area of Pyramids, Cones and Spheres
3.	Set Theory
3.1	Set language and notation
3.2	Venn diagrams
4.	Congruency and Similarity
4.1	Congruent triangle
4.2	Similar triangle
4.3	Area and volume of similar figures
5.	Circle Theorem
5.1	Symmetrical properties of circles
5.2	Angle properties of circles
	Term 2
6.	Arc Length, Area of Sector and Radian Measure
7.	Vectors in Two Dimensions
7.1	Vectors on the Coordinate Plane
7.2	Application of Vectors in Geometry
8.	Linear Law
	Term 3
9.	Statistics (I) – Frequency Distribution and Measures of Central Tendency
19.	Statistics (II) – Cumulative Frequency Distribution and Box-and-Whisker Diagram
11.	Statistics (III) – Standard Deviation
12.	Mathematics in Practical Situations
12.1	Profit and Loss / Simple Interest and Compound Interest/ Hire-Purchase
12.2	Utility Bills/ Money Exchange / Taxation
13.	Graphs in Practical Situations
13.1	Tables, Charts & Graphs/ Distance- Time Graphs & Speed-Time Graphs
14.	Number Patterns & Problem-Solving Heuristics
15.	Probability