as at January 2015

IB Diploma Studies SL (3rd edition)

Chapter	Title	Syllabus	Start Page	Notes	TOK
1	Number properties	1.1	19		
2	Measurement	1.2, 1.3, 1.4, 1.5	37	Currency conversion integrated into this chapter	Measures of angle – mathematics in nature
3	Laws of algebra		73		
4	Equations and formulae	1.6	91	Greater emphasis on technology use for solving equations	
5	Sequences and series	1.7, 1.8, 1.9	127	Compound interest & depreciation integrated into this chapter	How many terms do we need to consider before a result is proven?
6	Descriptive statistics	2.1, 2.2, 2.3, 2.4, 2.5, 2.6	157	Stem-and-leaf plots removed, outliers for boxplots is now Extension	Misleading statistics
7	Sets and Venn diagrams	1.1, 3.5	211		
8	Logic	3.1, 3.2, 3.3, 3.4	231	Valid arguments now part of the course	
9	Probability	3.5, 3.6, 3.7	257	Expectation has been added	Applications of probability
10	The normal distribution	4.1	299	New section to course	
11	Two variable statistics	4.2, 4.3, 4.4	315	Yates' continuity correction has been added	Modelling the real world
12	Pythagoras' theorem		349		Mathematical proof
13	Coordinate geometry	5.1	375		Are algebra and geometry separate areas of learning?
14	Perimeter, area, and volume	1.4, 5.5	411		
15	Trigonometry	5.2, 5.3, 5.4	445	Bearings section removed	Mathematics in society
16	Functions	6.1, 6.2	483		Mathematical language and symbols
17	Quadratic functions	1.6, 6.3	501	Greater use of technology to investigate quadratic graphs	
18	Exponential functions	6.4, 6.6	529		The nature of infinity
19	Unfamiliar functions	6.5, 6.6, 6.7	543		
20	Differential calculus	7.1, 7.2, 7.3	559	Normals to curves added, formal limits removed	Zeno's paradox
21	Applications of differential calculus	7.4, 7.5, 7.6	585		The scientific method
22	Miscellaneous questions		611		
	Answers		655		
	Index		726		

Additional Notes:

* Regrouping by syllabus topic so far as is possible.
* Theory of knowledge project ideas and discussion topics are included within the text.
* Trigonometric functions removed