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* Please see reverse for list of topics

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‡ One CD per order

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‡ Order cannot be processed without school purchase order number

Contact person (please print full name and position)

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- Neap testing materials are prepared specifically to assist VCE teachers to monitor students' progress throughout the year and to identify problem areas for individual students and the class as a group. They are based on the current VCE course and exam specifications. Neap testing materials are prepared by practising, senior VCE teachers, who are highly qualified and experienced in the setting and marking of assessment material. All Neap testing materials are supplied with fully worked solutions, mark schemes and diagnostic comments.

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Subject	Level	Test No.	Topics
Biology	1	1 2 3 4	Cell size, structure and function, and crossing the plasma membrane Energy transformations and functioning systems Survival through adaptations and regulation Organising biodiversity and relationships between organisms
	2	5 6 7 8	The cell cycle, asexual reproduction and meiosis Sexual reproduction, cell growth and cell differentiation Genomes, genes, alleles, chromosomes and genotypes Phenotypes, pedigree charts, genetic cross outcomes and
	3	1 2 3 4 5	Plasma membrane, nucleic acids and proteins Gene structure and regulation, and structure and regulation of biochemical pathways Photosynthesis and cellular respiration Cellular signals Responding to antigens
	4	6 7 8 9	Immunity Changes in the genetic makeup of a population and changes in biodiversity over time Determining relatedness between species and human change over time DNA manipulation and biological knowledge and society
	1	1 2 3 4	Atomic theory and the Periodic Table Metallic and ionic compounds Covalently bonded compounds Organic compounds and polymers
	2	5 6 7 8 9	Quantifying chemistry Properties of water Acid-base and redox reactions in water Analysing compounds in water I (solubility, concentration and gravimetric analysis) Analysing compounds in water II (volumetric, spectroscopic)
	3	1 2 3 4	Energy from fuels Galvanic cells and fuel cells Rate and extent of chemical reactions Electrolysis
	4	5 6 7 8	Organic compounds and their reactions Analysis of organic compounds Food molecules Metabolism and energy content of food
	Chemistry		

Subject	Level	Test No.	Topics
Physics	1	1 2 3 4	How can thermal effects be explained? I How can thermal effects be explained? II How do electric circuits work? I How do electric circuits work? II
	2	5 6 7 8	What is matter and how is formed? I What is matter and how is formed? II How can motion be described and explained? I How can motion be described and explained? II
	3	1 2 3 4 5	How do things move without contact? (I) How do things move without contact? (II) How are fields used to move electrical energy? How fast can things go? (I) How fast can things go? (II)
	4	6 7 8 9 10	How fast can things go? (III) How can waves explain the behaviour of light? (I) How can waves explain the behaviour of light? (II) How are light and matter similar? (I) How are light and matter similar? (II)
Specialist Mathematics			
	3&4	1 2 3 4 5 6 7 8	Functions, Graphs and Trigonometry Complex numbers Differentiation calculus Integral calculus Differential equations and Kinematics Vectors Vector calculus and Mechanics Probability and Statistics
Mathematical Methods			
	3&4	1 2 3 4 5 6 7 8	Algebra and Polynomials Functions and Relations Exponential and Logarithmic Functions Circular Functions Differential Calculus and Applications Integral Calculus and Applications Discrete Random Variables Continuous Probability Distributions and Statistical Inference
Further Mathematics			
	3&4	1 2 3 4 5 6	Core: Data analysis Core: Revision and financial modelling Module 1: Matrices Module 2: Networks and decision mathematics Module 3: Geometry and measurement Module 4: Graphs and relations