

Term	Topic(s)	Assessed work	Additional details
1 a 7 weeks 42 lessons	Biological molecules A (Monomers and polymers, Carbohydrates, Lipids and Proteins) Cell structure and division (Eukaryotic cells and organelles, Prokaryotic cells and viruses, Analysis of cell components and Mitosis)	- Topic 1A test - Topic 2 test <i>-Required practical 2</i>	
1b 7 weeks 42 lessons	Biological molecules B (Enzymes, Nucleic acids, Water, ATP and Inorganic ions) Surface area to volume ratio Transport across membranes Gas exchange	- <i>Required practical 1 (Enzymes)</i> Topics 1A and 1B test <i>Required practical 3 (Dilution series)</i> <i>Required practical 4 (permeability of cell surface membranes)</i> Topic 2 test	
2a 7 weeks 42 lessons	Cell recognition and the immune system Digestion Gas exchange continued Mass transport	Topic 2 test Topic 3 test	
2b 5 weeks 30 lessons	Digestion continued DNA, genes and chromosomes Mass transport continued Species and taxonomy	Topic 4 test <i>Required practical 54 (dissection)</i>	
3a 5 weeks 30 lessons	Protein synthesis Meiosis Genetic diversity and adaptation Biodiversity	<i>Required practical 6 (Use of aseptic technique)</i>	

3b 7 weeks 42 lessons	Consolidation of year 12 content Biology Fieldwork Populations and ecosystems Energy transfer and nutrient cycles	Required practical 12 (Fieldwork investigation)	
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