



Year 12 Syllabus in a nutshell

IB HL Biology





Year 12 Syllabus in a nutshell – IB HL Biology

For specifics of each point please refer to syllabus document available on Firefly

Cell Biology
1.1, 1.2 Cells
1.2 Cells
1.3 Membrane structure
1.4 Membrane transport
1.5 Origin of cells
1.6 Cell division
Molecular Biology
2.1 Molecules
2.2 Water
2.3 Carbohydrates and lipids
2.4 Proteins
2.5 Enzymes
2.6 DNA and RNA
Ecology
4.1 Ecosystems
4.2 Energy flow
4.3 Carbon cycle
4.4 Climate change
Evolution and Biodiversity
5.1 Evolution
5.2 Natural selection
5.3 Classification
5.4 Cladistics
10.3 Gene pools and speciation
Human physiology
6.1 Digestion
6.2 Circulation
6.3 Defence against disease
6.4 Gas exchange
Option D
Option D1 Nutrition
Option D2 Digestion
Option D3 Liver
Option D4 Heart
Option D6 Transport of O ₂ & CO ₂
Animal physiology
11.1 Antibodies