

TRILOGY BIOLOGY - HIGHER TIER

Week 1

Session 1

[Video – Eukaryotic & Prokaryotic Cells](#)

Session 2

[Video – Animal Cells](#)

[Video – Plant cells](#)

Session 3

[Video – Animal Specialised Cells](#)

[Video – Plant Specialised Cells](#)

Session 4

[Video – Cell Sizes](#)

[Video – Order of Magnitude Calculations](#)

Session 5

[Video – Stem Cells](#)

Session 6

[Video - Cell Division \(mitosis\)](#)

[Video - Cancer](#)

Session 7

[4.1 "Cell Biology" Practice Exam Questions](#)

Week 2

Session 1

[Video – The Digestive System](#)

[Video – Absorption in Intestines](#)

Session 2

[Video – Digestive Enzymes](#)

[Video –pH & Temperature on Enzyme Activity](#)

[Video - Amylase & pH Required Practical](#)

Session 3

[Video – Food tests Required Practical](#)

Session 4

[Video – The Heart](#)

[Video – Cardiovascular Disease](#)

Session 5

[Video – The Blood](#)

[Video - Blood Vessels](#)

Session 6

[Video – Disease](#)

[Video – Lifestyle Factors](#)

[Video – Correlating Risk factors](#)

Session 7

[4.2 "Organisation" Practice Exam Questions](#)

Week 3

Session 1

[Video – Communicable & Non Communicable Diseases](#)

[Video - Pathogens](#)

Session 2

[Video – Bacterial Diseases](#)

Session 3

[Video – Vaccination](#)

[Video – Antibiotics](#)

Session 4

[Video – Drug Testing](#)

Session 5

[4.3 "Infection & Response" Practice Exam Questions](#)

Session 6

[Video – Photosynthesis](#)

[Video – Limiting Factors of Photosynthesis](#)

Session 7

[Video – Photosynthesis Required Practical](#)

Week 4**Session 1**

[Video - Respiration](#)

[Video - Metabolism](#)

Session 2

[4.4 "Bioenergetics" Practice Exam Questions](#)

Session 3

[Video – Homeostasis](#)

[Video - Thermoregulation](#)

[Video – Negative Feedback](#)

Session 4

[Video – The Endocrine System](#)

[Video – Blood Glucose](#)

Session 5

[Video – The Menstrual Cycle](#)

[Video - Fertility](#)

Session 6

[4.5 "Homeostasis & Response" Practice Exam Questions](#)

Session 7

[Video - Meiosis](#)

Week 5**Session 1**

[Video - Classification](#)

Session 2

[4.6 "Inheritance, Variation & Evolution" Practice Exam Questions](#)

Session 3

[Video – Competition & Interdependence](#)

[Video – Food Chains & Predator Prey Cycles](#)

Session 4

[Video – Biotic & Abiotic Factors](#)

[Video – Mean, Median, Mode](#)

Session 5

[Video – Sampling](#)

[Video – Sampling Required Practical](#)

Session 6

[Video – The Carbon Cycle](#)

[Video – The Water Cycle](#)

Session 7

[Video – Biodiversity](#)

[Video – Waste Management](#)

[Video – Global Warming](#)

Week 6

Session 1

[4.7 "Ecology" Practice Exam Questions](#)