

KS4 - Combined Biology - Intent Statement

- Cell Biology (4.1)
 - Cell structure (4.1.1) [Chapters 1 & 5]
 - Cell division (4.1.2) [Chapter 2]
 - Transport in cells (4.1.3) [Chapter 1]
- Organisation (4.2)
 - Principles of organisation (4.2.1) [Chapter 3]
 - Animal tissues, organs & organ systems (4.2.2) [Chapters 3, 4 & 7]
 - Plant tissues, organs & systems (4.2.3) [Chapter 4]
- Infection and response (4.3)
 - Communicable diseases (4.3.1) [Chapters 5 & 6]
- Bioenergetics (4.4)
 - Photosynthesis (4.4.1) [Chapter 8]
 - Respiration (4.4.2) [Chapter 9]
- Homeostasis and response (4.5)
 - Homeostasis (4.5.1) [Chapter 10]
 - The human nervous system (4.5.2) [Chapter 10]
 - Hormonal coordination in humans (4.5.3) [Chapter 11]
- Inheritance, Variation & Evolution (4.6)
 - Reproduction (4.6.1) [Chapter 12]
 - Variation and evolution (4.6.2) [Chapter 13]
 - The development of understanding of genetics and evolution (4.6.3) [Chapter 14,]
 - Classification of living organisms (4.6.4) [Chapter 14]
- Ecology (4.7)
 - Adaptations, interdependence and competition (4.7.1) [Chapter 15]
 - Organisation of an ecosystem (4.7.2) [Chapters 16 & 17]
 - Biodiversity and the effect of human interaction on ecosystems (4.7.3) [Chapter 17]