Edexcel GCE A level Biology A and Biology B

The table shows the contents of each Group of lessons, mapped to the specification. Some lessons may appear in more than one Group.

Groups A – E would be suitable for students of both Biology A (Salters Nuffield) and Biology B.

Groups F & G are tailored to the individual specification: F1 and G1 for Biology A and F2 and G2 for Biology B. Some overlap may still be possible in Groups F & G (F1#2 and F2#3; F1#5 and F2#5; G1#2 and G2#4)

Lesson Group	Specification coverage	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
A: Biology molecules and genetics	Bio A: 1.2; 1.12 – 1.14; 2.5 – 2.14 Bio B: 1-1 – 1.5; 1.7; 8.1 – 8.2	Carbohydrates and water	Lipids, amino acids and DNA	Protein synthesis	Enzymes	Genetics and inheritance	**A**	**A**
B: Cells and reproduction	Bio A: 2.2 – 2.4; 3.1 – 3.15; 4.7 – 4.9; 7.16 Bio B: 2.1; 2.3 – 2.4; 4.2, 7.2-7.3	Structure of prokaryotic and eukaryotic cells	Movement across membranes	Cell cycle and division	Stem cells and epigenetics	Fertilisation in mammals	**B**	**B**
C: Ecology	Bio A: 4.1 – 4.6; 5.1 – 5.4; 5.10 – 5.19 Bio B: 3.1 – 3.3; 8.3; 10.1 – 10.4i	Biodiversity and classification	Adaptation and natural selection	Speciation	Energy flow through ecosystems	Climate change	**C**	**C**
D: Circulation, respiratory and nervous systems	Bio A: 1.3 – 1.6; 2.1; 8.1 – 8.4 Bio B: 4.3 – 4.4; 9.5 – 9.6	Structure of the heart	Blood and blood clotting	Cardiac cycle	Gas exchange in mammals	Nerves	**D**	**D**

Pearson Tutoring Programme Resources Mapping

Lesson Group	Specification coverage	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
E: Energy from photosynthesis and respiration	Bio A: 4.10 – 4.11; 5.5 – 5.9; 7.3 – 7.7 Bio B: 4.7; 5.1 – 5.7	Transport in plants	Light dependent reactions in photosynthesis	Light independent reactions in photosynthesis	Respiration and glycolysis	Krebs cycle and oxidative phosphorylation	**E**	**E**
F1: Biological control (Biology A)	Bio A: 7.1 – 7.2; 7.8 – 7.12	Muscles	Control of heart rate	Biological feedback	Thermoregulation	Control in plants	**F1**	**F1**
F2: Biological control (Biology B)	Bio B: 9.1; 9.3 – 9.4; 9.7 – 9.9, 4.5	Homeostasis and biological feedback	CNS and detection of light	Control of heart rate and oxygen dissociation	Osmoregulation	Control in plants	**F2**	**F2**
G1: Infection and neuroscience (Biology A)	Bio A: 4.14 & CP9; 6.1 – 6.4; 6.7 – 6.14; 8.8 – 8.15	Forensics	Immunology	Antibiotics	Habituation	Drugs and the brain	**G1**	**G1**
G2: Microbiology and disease (Biology B)	Bio B: 6.1 – 6.7	Aseptic technique	Antibiotics and antibiotic resistance	Fungi and viruses	Immunology	Controlling disease	**G2**	**G2**