

Year 10 Biology

Lesson	Unit	Lesson Topic	Assessment
1	B6 Preventing Disease	Vaccination	
2		Antibiotics and Painkillers	
3		Discovering Drugs	
4		Developing Drugs	FAR marking of drug testing exam question.
5		Monoclonal Antibodies (Triple Only)	

Lesson	Unit	Lesson Topic	Assessment
1	B7 Non- Communicable Disease	Cancer	
2		Smoking and Disease	
3		Diet, Alcohol, and Disease	FAR marking of exam question on diet.
4		Preventing and Non-Communicable Disease Topics DTT	FAR marking of DTT end of topics test.

Lesson	Unit	Lesson Topic	Assessment
1	B8 Photosynthesis	Photosynthesis	
2		The Rate of Photosynthesis	FAR marking of required practical 6.
3		How Plants Use Glucose	

Lesson	Unit	Lesson Topic	Assessment
1	B9 Respiration	Aerobic Respiration	
2		The Effects of Exercise	FAR marking of exam question on exercise.
3		Anaerobic Respiration	
4		Metabolism and the Liver	
5		Photosynthesis and respiration Topics DTT	FAR marking of DTT end of topics test.

Lesson	Unit	Lesson Topic	Assessment
1	B10 Nervous System	Principles of Homeostasis	
2		The Structure and Function of the Human Nervous System	FAR marking of required practical 7.
3		Reflex Actions	
4		The Brain (Triple Only)	
5		The Eye (Triple Only)	FAR marking of exam question on the pupil reflex.
6		Common Problems of the Eye	

Lesson	Unit	Lesson Topic	Assessment
1	B11 Hormones	Principles of Hormonal Control	
2		The Control of Blood Glucose Levels	FAR marking of blood sugar exam question.

3		Treating Diabetes	
4		The Role of Negative Feedback	
5		Human Reproduction, Hormones, and the Menstrual Cycle	
6		The Artificial Control of Fertility	
7		Plant Hormones and Responses (Triple Only)	FAR marking of lab book work on the triple-only required practical.
8		Using Plant Hormones	
9		Nerves and Hormones DTT	FAR marking of DTT end of topics test.

Lesson	Unit	Lesson Topic	Assessment
1	B12 Homeostasis	Controlling Body Temperature	FAR marking of temperature regulation exam question.
2	(WHOLE TOPIC TRIPLE ONLY)	Removing Waste Products	
3		The Human Kidney	
4		Dialysis and Kidney Transplants	
5		Homeostasis DTT	FAR marking of DTT end of topic test.

NB The Reproduction topic is only taught to Combined Science groups in Year 10. Triple award groups finish after Homeostasis.

Lesson	Unit	Lesson Topic	Assessment
1	B13 Reproduction	Types of Reproduction	
2		Cell Division in Sexual Reproduction	FAR marking of reproduction exam question.
3		The Best of Both Worlds (Triple Only)	
4		DNA and the Genome	
5		DNA Structure and Protein Synthesis (Triple Only)	Triple award teachers might like to include an extra FAR marked DNA question due to the length of this topic.
6		Gene Expression and Mutation (Triple Only)	
7		Inheritance in Action	
8		More About Genetics	
9		Inherited Disorders	
10		Screening for Genetic Disorders	
11		Reproduction DTT	FAR marking of DTT end of topic test.

Year 11 Biology

NB Reproduction is the first topic for Triple groups ONLY. Combined Science studied this at the end of Year 10.

Lesson	Unit	Lesson Topic	Assessment
1	B13 Reproduction	Types of Reproduction	
2		Cell Division in Sexual Reproduction	FAR marking of reproduction exam question.
3		The Best of Both Worlds (Triple Only)	
4		DNA and the Genome	
5		DNA Structure and Protein Synthesis (Triple Only)	Triple award teachers might like to include an extra FAR marked DNA question due to the length of this topic.
6		Gene Expression and Mutation (Triple Only)	
7		Inheritance in Action	
8		More About Genetics	
9		Inherited Disorders	
10		Screening for Genetic Disorders	
11		Reproduction DTT	FAR marking of DTT end of topic test.

Lesson	Unit	Lesson Topic	Assessment
1	B14 Variation	Variation	
2		Natural Selection	
3		Selective Breeding	FAR marking of selective breeding exam question
4		Genetic Engineering	
5		Cloning, Adult Cell Cloning, and Ethics (Triple Only)	

Lesson	Unit	Lesson Topic	Assessment
1	B15 Evolution	The History of Genetics (Triple Only)	
2		Theories of Evolution (Triple Only)	
3		Evolution and Speciation (Triple Only)	
4		Evidence for Evolution	FAR marking of fossils exam question
5		Extinction and Antibiotic Resistance	
6		Classification	
7		Variation and Evolution DTT	FAR marking of DTT end of topics test.

Lesson	Unit	Lesson Topic	Assessment
1	B16 Adaptation	Communities	
2		Distribution and Abundance	FAR marking of Required Practical 9.
3		Competition	
4		Adaptation	
Lesson	Unit	Lesson Topic	Assessment

1	B17	Feeding Relationships	
2	Ecosystems	Materials Cycling	
3		Rates of Decomposition (Triple Only)	FAR marking of Required Practical 10.
4		Adaptation and Ecosystems DTT	FAR marking of DTT end of topics test.

Lesson	Unit	Lesson Topic	Assessment
1	B18	The Human Population Explosion	
2	Biodiversity	Land, Water, and Air Pollution	FAR marking on one of the exam questions from the student booklet (the rest are self-assessed)
3		Deforestation, Peat Destruction, and Global Warming	
4		The Impact of Change (Triple Only)	
5		Trophic Levels and Biomass Transfers (Triple Only)	
6		Food Security and Production (Triple Only)	
7		Biodiversity DTT	FAR marking of DTT end of topic test.

Year 11 Biology

NB Reproduction is the first topic for Triple groups ONLY. Combined Science studied this at the end of Year 10.

Lesson	Unit	Lesson Topic	Assessment
1	B13 Reproduction	Types of Reproduction	
2		Cell Division in Sexual Reproduction	FAR marking of reproduction exam question.
3		The Best of Both Worlds (Triple Only)	
4		DNA and the Genome	
5		DNA Structure and Protein Synthesis (Triple Only)	Triple award teachers might like to include an extra FAR marked DNA question due to the length of this topic.
6		Gene Expression and Mutation (Triple Only)	
7		Inheritance in Action	
8		More About Genetics	
9		Inherited Disorders	
10		Screening for Genetic Disorders	
11		Reproduction DTT	FAR marking of DTT end of topic test.

Lesson	Unit	Lesson Topic	Assessment
1	B14 Variation	Variation	
2		Natural Selection	
3		Selective Breeding	FAR marking of selective breeding exam question
4		Genetic Engineering	
5		Cloning, Adult Cell Cloning, and Ethics (Triple Only)	

Lesson	Unit	Lesson Topic	Assessment
1	B15 Evolution	The History of Genetics (Triple Only)	
2		Theories of Evolution (Triple Only)	
3		Evolution and Speciation (Triple Only)	
4		Evidence for Evolution	FAR marking of fossils exam question
5		Extinction and Antibiotic Resistance	
6		Classification	
7		Variation and Evolution DTT	FAR marking of DTT end of topics test.

Lesson	Unit	Lesson Topic	Assessment
1	B16 Adaptation	Communities	
2		Distribution and Abundance	FAR marking of Required Practical 9.
3		Competition	
4		Adaptation	
Lesson	Unit	Lesson Topic	Assessment

1	B17	Feeding Relationships	
2	Ecosystems	Materials Cycling	
3		Rates of Decomposition (Triple Only)	FAR marking of Required Practical 10.
4		Adaptation and Ecosystems DTT	FAR marking of DTT end of topics test.

Lesson	Unit	Lesson Topic	Assessment
1	B18	The Human Population Explosion	
2	Biodiversity	Land, Water, and Air Pollution	FAR marking on one of the exam questions from the student booklet (the rest are self-assessed)
3		Deforestation, Peat Destruction, and Global Warming	
4		The Impact of Change (Triple Only)	
5		Trophic Levels and Biomass Transfers (Triple Only)	
6		Food Security and Production (Triple Only)	
7		Biodiversity DTT	FAR marking of DTT end of topic test.