



Biology

Triple

Year 9

KS3

Curriculum Details

Modules	Content	Homework	Parent / Carer Support
B5 Communicable Diseases	Health and Disease Causes of Disease Preventing infections Human Defence Responses	The students are given a homework book, either higher tier or foundation tier based on their Kimberley School Target. The students will be allocated pages to complete in this book for homework, which correspond to the lessons taught in class.	Help them revise from the classwork books. Ensure they complete homework on time. Encourage them to ask their teachers for help if they are stuck.
B6 Preventing and Treating Disease	Vaccination Antibiotics and Painkillers Discovering Drugs Developing Drugs	The questions involve: <ul style="list-style-type: none">• Key word tasks• Calculations• Recall of facts• Description of processes• Explanations	Test knowledge and use of key words and terminology. Help revision of key topics and required practical activities completed in class. Encourage revision methods such as using flashcards to summarise and test knowledge.
B7 Non-communicable Diseases	Cancer Smoking Diet and Exercise Alcohol and other carcinogens		



Biology

Triple

Year 10

KS4

Curriculum Details

Modules	Content	Homework	Parent / Carer Support
B1 Cell Structure and Cell Division	Microscopes Animal and Plant Cells Eukaryotic and Prokaryotic Cells Specialised Animal and Plant Cells Mitosis	The students are given a homework book, either higher tier or foundation tier based on their Kimberley School Target. The students will be allocated pages to complete in this book for homework, which correspond to the lessons taught in class.	Help them revise using revision cards. Help them revise from the classwork books.
B2 and B3 Stem Cells, Organisation and The Digestive System	Differentiation Stem Cells Tissues and Organs The Digestive System Enzymes	The questions involve: <ul style="list-style-type: none"> • Key word tasks • Calculations • Recall of facts • Description of processes • Explanations 	Ensure they complete homework on time. Encourage them to ask their teachers for help if they are stuck
B4 Organising Animals and Plants	The Blood The Heart Breathing Gas Exchange Tissues and Organs in Plants Transport Systems in Plants Transpiration		
B8 Photosynthesis	The Rate of Photosynthesis How Plants use Glucose Making the most of Photosynthesis		
B9 Respiration	Aerobic Respiration Exercise Anaerobic respiration Metabolism and the Liver Homoeostasis		
B10 Homoeostasis	Nervous System Reflex Actions The Brain The Eye		



Biology

Triple

Year 11

KS4
Curriculum Details

Modules	Content	Homework	Parent / Carer Support
B11 Hormonal Coordination	Hormonal Control Blood Glucose Diabetes Negative Feedback Human Reproduction Menstrual Cycle Contraception Infertility Plant Hormones	The students are given a homework book, either higher tier or foundation tier based on their Kimberley School Target. The students will be allocated pages to complete in this book for homework, which correspond to the lessons taught in class. In addition, questions may be set covering the following areas:	Help them revise using revision cards. Help them revise from the classwork books. Ensure they complete homework on time. Encourage them to ask their teachers for help if they are stuck
B12 Homeostasis in Action	Body Temperature Waste Products Kidney Dialysis Kidney Transplants	<ul style="list-style-type: none"> · Long answer questions. · Practical write-ups. · Revision & flashcards. · Key words 	
B13 Reproduction	Types of Reproduction Meiosis Reproduction in fungi, plants and malaria parasite DNA Structure Protein Synthesis Gene expression Mutations Inheritance Genetics Inherited Disorders Screening for Genetic Disorders		
B14 Variation and Evolution	Variation Natural selection Selective Breeding Genetic Engineering Cloning Ethics		
B15 Genetics and Evolution	History of Genetics Theories of Evolution Darwin Speciation Evidence for Evolution Fossils Extinction Antibiotic Resistance Classification		
B16 Adaptation, Interdependence, competition	Communities Environment Distribution Competition Adaptations Food Chains		



Biology Triple

KS4
Curriculum Details

Year 11 continued

Modules	Content	Homework	Parent / Carer Support
B17 Organising an Ecosystem	Materials Cycling The Carbon cycle Decomposition		
B18 Biodiversity and Ecosystems	Human Population Pollution Deforestation Global Warming Biodiversity Trophic levels and Biomass Food Security Sustainable Food Production		
	Sustainable Food Production		

Study Guides Available:

CGP workbook, exam practice question and answers books. These books cover the whole course (Y10 and Y11) Purchase online through sQuid, and can be collected from Mr Murray in S9 - £20 for triple science

AQA Biology for GCSE Combined Science: Trilogy. Higher/Foundation Workbook Provided by the Science Department for use in class or at home.

BBC Bitesize Key Stage 3 - www.bbc.co.uk/bitesize

Extra parental support

- Ensuring students complete homework on time.
- Encouraging them to seek help if they are struggling.
- Supporting students to revise for end of chapter tests.
- Helping students to review tests to see where to improve and set targets to ensure progress.