

CURRICULUM CONTENT (KS4) Year 10 GCSE Biology

The course we deliver is AQA GCSE Biology, syllabus code 8461

Please note this is for students starting their GCSE Biology course from 2016 onwards

Autumn Term	Key Assessments	Extension Activities Parents Can Undertake To Support Learning
<ul style="list-style-type: none"> • Cells and Organisation <ul style="list-style-type: none"> ○ 4.1 Cell Biology (<i>Textbook</i>) <ul style="list-style-type: none"> ▪ B1.1 Cells and organisms ▪ B1.2 Cell division ○ 4.2 Organisation <ul style="list-style-type: none"> ▪ B1.3 Organisation and the digestive system ▪ B1.4 Organising animals and plants • Disease and Bioenergetics <ul style="list-style-type: none"> ○ 4.3 Infection and response <ul style="list-style-type: none"> ▪ B1.5 Communicable diseases • Required practicals on cells, osmosis, food tests, enzyme action, and the effects of antiseptics versus antibiotics. 	<ul style="list-style-type: none"> • Regular assessment of content using past paper style questions • End of Topic tests 	<ul style="list-style-type: none"> • Encourage your daughter to read ahead in the online textbook for each topic. • Make sure your daughter can access our online resource Kerboodle. This is absolutely essential to success at GCSE. There are interactive exam questions, mini-tests, excellent summaries, and support sheets available. • Have you bought a revision guide? They are helpful but no substitute for her own revision notes.
<p style="text-align: center;">Spring Term</p> <ul style="list-style-type: none"> • Disease and Bioenergetics (cont.) <ul style="list-style-type: none"> ▪ B1.6 Preventing and treating disease ▪ B1.7 Non-communicable disease ○ 4.4 Bioenergetics <ul style="list-style-type: none"> ▪ B1.8 Photosynthesis • Required practical on photosynthesis. 	<ul style="list-style-type: none"> • Regular assessment of content using past paper style questions • End of Topic tests • Year 10 internal exams 	<p style="text-align: center;">Extension Activities Parents Can Undertake To Support Learning</p> <ul style="list-style-type: none"> • Ask how your daughter is preparing for test or assessments. By now, she should be using very different strategies to KS3. Setting up revision booklets with useful mind maps, diagrams and summaries would be useful at this stage. There is a lot to learn and this is a 2-year course.
<p style="text-align: center;">Summer Term</p> <ul style="list-style-type: none"> • Disease and Bioenergetics (cont.) <ul style="list-style-type: none"> ▪ B1.9 Respiration • Biological Responses <ul style="list-style-type: none"> ○ 4.5 Homeostasis and response <ul style="list-style-type: none"> ▪ B1.10 The human nervous system ▪ B1.11 Hormonal co-ordination • Required practicals on reaction times, and the effect of light on seedlings. 	<ul style="list-style-type: none"> • Regular assessment of content using past paper style questions • End of Topic tests 	<p style="text-align: center;">Extension Activities Parents Can Undertake To Support Learning</p> <ul style="list-style-type: none"> • Following the year 10 exams, has your daughter responded to the comments on her school reports about how to improve? • Take a look at her exercise books (with her permission of course) and see if she is correcting and improving her work; acting on advice and meeting targets set by herself or her teacher. • Visit the Wellcome Trust Museum, London. You can also subscribe to their free magazine – The Big Picture.

CURRICULUM CONTENT (KS4) Year 11 GCSE Biology

The course we deliver is AQA GCSE Biology, syllabus code 8461

Please note this is for students starting their GCSE Biology course from 2016 onwards

<p style="text-align: center;">Autumn Term</p> <ul style="list-style-type: none"> • Biological Responses (continued from Y10) <ul style="list-style-type: none"> ▪ B1.12 Homeostasis in action • Genetics and Reproduction <ul style="list-style-type: none"> ○ 4.6 Inheritance, variation and evolution <ul style="list-style-type: none"> ▪ B1.13 Reproduction ▪ B1.14 Variation and evolution 	<p style="text-align: center;">Key Assessments</p> <ul style="list-style-type: none"> • Regular assessment of content using past paper style questions • End of Topic tests 	<p style="text-align: center;">Extension Activities Parents Can Undertake To Support Learning</p> <ul style="list-style-type: none"> • This is a good time to begin using past papers for revision and to improve examination technique. There are plenty of GCSE Biology papers available long with their mark schemes on the AQA website. • Preparation for the mock exams in January should be a steady process not a last minute rush.
<p style="text-align: center;">Spring Term</p> <ul style="list-style-type: none"> • Genetics and Reproduction (cont.) <ul style="list-style-type: none"> ▪ B1.15 Genetics and evolution • Ecology <ul style="list-style-type: none"> ○ 4.7 Ecology <ul style="list-style-type: none"> ▪ B1.16 Adaptations, interdependence and competition ▪ B1.17 Organising an ecosystem ▪ B1.18 Biodiversity and ecosystems • Required Practicals on population in habitats, and the effect of temperature on decay. 	<p style="text-align: center;">Key Assessments</p> <ul style="list-style-type: none"> • Regular assessment of content using past paper style questions • End of Topic tests • Mock exams for Year 11 	<p style="text-align: center;">Extension Activities Parents Can Undertake To Support Learning</p> <ul style="list-style-type: none"> • Following the mock, does your daughter have a clear idea of what she needs to do to maximise her potential? Her school reports should have advice and targets for her to follow.
<p style="text-align: center;">Summer Term</p> <ul style="list-style-type: none"> • 4.8 Key ideas • Revision activities in preparation for the summer exam 	<p style="text-align: center;">Key Assessments</p> <p>Paper 1 What's assessed Topics 1 – 4: Cell biology; Organisation; Infection and response; and Bioenergetics.</p> <p>Paper 2 What's assessed Topics 5 – 7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.</p>	<p style="text-align: center;">Extension Activities Parents Can Undertake To Support Learning</p> <ul style="list-style-type: none"> • Once the specification is completed then revision and exam practice becomes the main priority. Ask if there is anything she would like you to help with? Are there list of things she needs to learn or mnemonics she is using that you could listen to?