

Year 10 Biology Plan

	Biology		
Subject	Lesson 1	Lesson 2	Lesson 3
Week 1 (Higher)	<u>Topic 5</u> Maintaining water and nitrogen balance (p75,76) * My-GCSE video and exam questions	<u>Topic 5</u> Endocrine system and Adrenaline (p73 + p80) * Written work - Produce a set of Q+A and diagram	<u>Topic 6</u> DNA + protein synthesis (p85,86) * Seneca – Unit 6.1.4 and 6.1.5 * Written work describe the structure of DNA and how proteins are coded for and types of mutations.
Week 1 (Foundation))	<u>Topic 5</u> Nervous System and reflexes (p58,59) * My-GCSE video and exam questions	<u>Topic 5</u> Endocrine system (p61) * Written work - Produce a set of Q+A and diagram	<u>Topic 6</u> Meiosis and X,Y chromosomes (p68-69) * Seneca – Genome Screening and sex determination Unit 6.1.9
Week 2 (Higher)	<u>Topic 6</u> Genetic Engineering + Cloning (p99,100) * Written task Explain what G.E is. *Tabulate pro's and cons * Process of cloning in plants and animals	<u>Topic 7</u> Competition and abiotic and biotic factors (p106,107) * My-GCSE - Communities and Interdependence and exam questions	<u>Topic 7</u> Adaptations and food chains (p108,109) * My-GCSE – Video Adaptation and exam questions * Use p 108 and describe the different types of adaptations
Week 2 (Foundation))	<u>Topic 6</u> Genetics diagrams, inherited disorders and screening (p70,71) * Written task – describe the pros and cons of genetic screening * My-GCSE – videos and exam questions	<u>Topic 7</u> Competition and abiotic and biotic factors (p83, 84) * Written task – produce a set of Q+A	<u>Topic 7</u> Adaptations and food chains (p85,86) * Seneca – Unit 7.1
Week 3 (Higher)	<u>Topic 5</u> Hormones in reproduction (p77-79) * Seneca – units 5.3.10 – 5.3.13 * Exam questions	<u>Topic 5</u> Plant hormones (p81-82) * Revision Guide Written work – summarise plant hormones and their commercial uses.	<u>Topic 6</u> Speciation (p102) * My-GCSE – video Speciation and exam questions
Week 3	<u>Topic 5</u>	<u>Topic 5</u>	<u>Topic 6</u>

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(Foundation))	<p>Hormones in puberty, reproduction and fertility (p63-65) * Freesciencelessons watch video on contraception * Seneca – Unit 5.3.7 – 5.3.9</p>	<p>Blood glucose and diabetes (p61) Written work – produce a flow chart to show how blood glucose is controlled</p>	<p>Classification (p80) * Seneca – Unit 6.4.1, 6.4.2, 6.4.3</p>
Week 4 (Higher)	<p><u>Topic 6</u> Evolution and fossils (p91,92, 101) * My-GCSE – Videos for Theories of Evolution, Speciation and Evidence of Evolution and Extinction * Exam questions</p>	<p><u>Topic 7</u> Water and Carbon cycle (p112,113) * Written work and flow charts to show the water cycle and carbon cycle.</p>	<p><u>Topic 7</u> Decay (p114) * Freesciencelessons watch video, required practical 10. Decay. * Seneca – unit 7.2 Organisation of Ecosystems</p>
Week 4 (Foundation))	<p><u>Topic 6</u> Classification and evolutionary trees * My-GCSE – Videos for classification and evolutionary trees * Exam questions</p>	<p><u>Topic 7</u> Water and Carbon cycle (p89,90) * Written task to show how the recycling of water and carbon</p>	<p><u>Topic 7</u> Biodiversity and waste management (p91) * Seneca – unit 7.3 Biodiversity</p>
Week 5 (Higher)	<p><u>Topic 5</u> The Brain and eye (p69-71) * Seneca 5.2, 5.6 , 5.7 Extension work * Exampro end of topic exam questions and self- assessment</p>	<p><u>Topic 6</u> Antibiotic Resistant bacteria (p103) * BBC Bitesize – Evolution p 9 Written task, make short notes and diagrams Extension work * Exampro end of topic exam questions and self- assessment</p>	<p><u>Topic 7</u> Food security and biotechnology (p123, 124) * My-GCSE – Sustainable food production – video and exam questions Extension work * Exampro end of topic exam questions and self- assessment</p>

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<p>Week 5 (Foundation)</p>	<p><u>Topic 5</u></p> <ul style="list-style-type: none"> * Complete revision broadsheet * Seneca end of topic assessment from each part of the module <p>Extension work</p> <ul style="list-style-type: none"> * Exampro end of topic exam questions and self- assessment 	<p><u>Topic 6</u></p> <p>Antibiotic Resistant bacteria (p75,76)</p> <ul style="list-style-type: none"> * Written task – sequence diagrams and explanations to show antibiotic resistance <p>Extension work</p> <ul style="list-style-type: none"> * Exampro end of topic exam questions and self- assessment 	<p><u>Topic 7</u></p> <p>Deforestation and maintain ecosystems (p93,94)</p> <ul style="list-style-type: none"> * My-GCSE - Impact of environmental change and Human impact on the environment <p>Extension work</p> <ul style="list-style-type: none"> * Exampro end of topic exam questions and self- assessment
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Higher - Page numbers refer to Biology AQA revision guide tier. If pupils have no revision guide, refer to My-GCSE or BBC Bitesize

Foundation – Page numbers refer to Combined revision guide foundation tier. If pupils have no revision guide, refer to My-GCSE or BBC Bitesize

<https://www.aqa.org.uk/subjects/science/gcse/biology-8461> - Pupils can also follow the link to the specification