

# KS4

## Year 10 Biology

We follow the AQA curriculum for both combined and triple science. The website with all of the information for each course can be found below. For the specifications please see the link in the table.

Combined: <https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>

Triple: <https://www.aqa.org.uk/subjects/science/gcse/biology-8461>

Autumn Term		Spring Term	Summer Term	
<b>Key knowledge:</b> B2 Organisation B3 Infection and response Please refer to the specification from AQA <a href="https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF">https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF</a>	<b>AAFPOL 1</b> <b>B1 Cell biology</b> <b>B2 organisation</b> <b>B3 Infection and response</b>	<b>Key knowledge:</b> B4 Bioenergetics Please refer to the specification from AQA <a href="https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF">https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF</a>	<b>Key Knowledge:</b> B7 Ecology Exam questions and revision of paper 1 Please refer to the specification from AQA <a href="https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF">https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF</a>	<b>AAFPOL 2</b> Full paper 1 Mock  <b>Triple:</b> 1hr 45 mins Combined 1 hr 15 mins
<b>Pupils will be able to:</b> B2: Learn about the human digestive systems which provide the body with nutrients and the respiratory system that provides the body with oxygen. B3: Understand the different pathogens, prevention, treatment and symptoms. Understand drug development, uses of antibiotics and vaccines.		<b>Pupils will be able to:</b> B4: Understand processes of photosynthesis, aerobic respiration, anaerobic respiration, fermentation and metabolism	<b>Pupils will be able to:</b> B7: Understand the importance of ecosystems, complex communities and biotic and abiotic factors. Understand the function humans play in the environment.  1.	
<b>Assessment:</b> 1. Enzyme and digestion 2. Cardiovascular disease 3. Developing drugs		<b>Assessment:</b> 1. Plant diseases and defence (T) 2. Photosynthesis 3. Respiration	<b>Assessment:</b> 1. Adaptations 2. Carbon cycles	
<b>Key Vocabulary:</b> Please refer to the knowledge booklets		<b>Key Vocabulary:</b> Please refer to the knowledge booklets	<b>EKey Vocabulary:</b> Please refer to the knowledge booklets	
<b>Assessment Objectives (AOs):</b> <b>AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.</b> <b>AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.</b> <b>AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.</b>				

## Year 11 Biology

We follow the AQA curriculum for both combined and triple science. The website with all of the information for each course can be found below. For the specifications please see the link in the table.

**Combined:** <https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>

**Triple:** <https://www.aqa.org.uk/subjects/science/gcse/biology-8461>

Autumn Term		Spring Term		Summer Term
<b>Key knowledge:</b> B5: Homeostasis and response Please refer to the specification from AQA <a href="https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF">https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF</a>	AAFPOL 1	<b>Key knowledge:</b>  <b>B6: Inheritance, variation and evolution</b> Please refer to the specification from AQA <a href="https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF">https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF</a>  Revision from past paper questions up until the EXAM	AAFPOL 2  Full paper 2	<b>Key Knowledge:</b>  Expected dates of the exams: (subject to revision and change)  <b>Paper 1 19 May 2025 am</b>  <b>Paper 2 13 June 2025 am</b>
<b>Pupils will be able to:</b> Explore why homeostasis is important and explore the structure and function of the nervous system and hormonal control. Study hormones in reproduction		<b>Pupils will be able to:</b> Understand how reproduction occurs and how variation comes about. Understand natural selection and evolution and how species are classified, modified and genetically engineered.		
<b>Assessment:</b> 1. Nervous system 2. Controlling blood glucose 3. Plant hormones (t)		<b>Assessment:</b> 1. Speciation and extinction 2. Cloning and antibiotic resistance		
<b>Key vocabulary:</b> Please refer to the knowledge booklets		<b>Key Vocabulary:</b> Please refer to the knowledge booklets		
<b>Assessment Objectives (AOs):</b> AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.				