

# BIOLOGY

## Year 9

### Topics Studied:

Topic 1 – Cell biology; Topic 2 - Organisation; Topic 4 – Bioenergetics

Autumn 1+2 – Cell biology and organisation

Spring 1+2 – Organisation and bioenergetics

Summer 1+2 – Topic catch up, revision, completion of missing required practicals

### Exam Board:

AQA

### Assessment structure:

Separates route ( 3 GCSE's):

Biology Paper 1

What's assessed

Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.

How it's assessed:

Written exam: 1 hour 45 minutes

Foundation and Higher Tier

100 marks

50% of GCSE

Biology Paper 2

What's assessed

Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

How it's assessed:

Written exam: 1 hour 45 minutes

Foundation and Higher Tier

100 marks

50% of GCSE

Trilogy route (2 combined GCSE's):

Biology Paper 1

What's assessed

Topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.

How it's assessed:

Written exam: 1 hour 15 minutes

Foundation and Higher Tier

70 marks

16.7% of GCSE

## Biology Paper 2

What's assessed

Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

How it's assessed:

Written exam: 1 hour 15 minutes

Foundation and Higher Tier

70 marks

16.7% of GCSE

10 required practical's (both routes)

Questions in the written exams will draw on the knowledge and understanding students have gained by carrying out the practical activities. These questions will count for at least 15% of the overall marks for the qualification. Many of the questions will also focus on investigative skills and how well students can apply what they know to practical situations often in novel contexts.

Students will be set a route accordingly in Y11

### **Subject specific websites to support revision and independent learning:**

GCSE Pod, BBC Bitesize, AQA website (search for 8461)

[www.kerboodle.com](http://www.kerboodle.com)

Watching scientific documentaries on BBC iplayer or Netflix to widen subject knowledge

### **Recommended subject guides:**

Books not published yet – tbc

### **Parental/carer Support:**

- Please feel free to check workbooks to reinforce the high standards that are set during the GCSE course. This can lead on to checking the knowledge of the student by questioning them on their understanding of the topics they have been taught, ensuring answers contain a good use of scientific keywords.
- Ensure students are using the online resources (kerboodle, AQA website, show my homework) to support themselves in their revision.

### **Additional Information:**

