



**GCSE  
BIOLOGY  
3400QS**

**Summer 2023 examinations**

Unit 1	Cells, Organ Systems and Ecosystems	Tuesday, 13 June 2023
Unit 2	Variation, Homeostasis and Micro-organisms	Tuesday, 16 May 2023

# **Advance Information**

## **General information for students and teachers**

This advance information provides the focus of the content of the Summer 2023 examination papers.

It does not apply to any other examination series.

It is intended to support revision.

It may be used at any time from the date of release.

It must not be taken into the examination.

Released: 06 February 2023

# Subject information for students and teachers

It is important that this advance information is read with reference to the detailed subject content in the specification, which is available [here](#).

This advance information covers Units 1 and 2 only. There is no advance information for Unit 3.

The format and structure of the examination papers remains unchanged.

The following areas of content are suggested as key areas of focus for revision and final preparation, in relation to the Summer 2023 examinations. Please note, while advance information is intended to help guide and prioritise revision, to support exam performance and progression, revision plans should still take account of everything that has been taught.

For each paper the list shows the main topic areas assessed in **rank order**, with those carrying the **highest mark allocations at the top of each list, so rank number 1 has the highest mark allocation**.

The aim should still be to cover all specification content in teaching and learning.

## Unit 1– Foundation tier (3400U10-1)

Rank	Topic areas		Including practical work
1	1.6	Ecosystems, nutrient cycles and human impact on the environment	
2	1.1	Cells and movement across cell membranes	✓
=3	1.3	Digestion and the digestive system in humans	✓
	1.5	Plants and photosynthesis	✓
5	1.2	Respiration and the respiratory system in humans	
6	1.4	Circulatory system in humans	✓

## Unit 1 – Higher tier (3400UA0-1)

Rank	Topic areas		Including practical work
1	1.6	Ecosystems, nutrient cycles and human impact on the environment	
2	1.1	Cells and movement across cell membranes	✓
3	1.2	Respiration and the respiratory system in humans	✓
4	1.5	Plants and photosynthesis	✓
5	1.4	Circulatory system in humans	
6	1.3	Digestion and the digestive system in humans	✓

**Unit 2 – Foundation tier (3400U20-1)**

Rank	Topic areas		Including practical work
1	2.5	Response and regulation	✓
2	2.7	Micro-organisms and their applications	✓
3	2.6	Role of kidney in homeostasis	✓
=4	2.1	Classification and biodiversity	
	2.3	DNA and inheritance	
6	2.8	Disease, defence and treatment	
7	2.2	Cell division and stem cells	

**Unit 2 – Higher tier (3400UB0-1)**

Rank	Topic areas		Including practical work
1	2.8	Disease, defence and treatment	
2	2.3	DNA and inheritance	
3	2.6	Role of kidney in homeostasis	✓
4	2.5	Response and regulation	✓
=5	2.1	Classification and biodiversity	✓
	2.7	Micro-organisms and their applications	✓
=7	2.2	Cell division and stem cells	
	2.4	Variation and evolution	

End of advance information