

Curriculum Information for Parents

Key Stage 5 Biology

Learning Leader for Biology		Phone: 01908 563468	Email: Fiona.coskun@ewsacademy.org.uk
Examination Board	Edexcel	Specification Code	Pearson Edexcel Level 3 Advanced GCE in Biology B (9B10)

Subject Content

Topic 1: Biological Molecules
Topic 2: Cells, Viruses and Reproduction of Living Things
Topic 3: Classification and Biodiversity
Topic 4: Exchange and Transport
Topic 5: Energy for Biological Processes
Topic 6: Microbiology and Pathogens
Topic 7: Modern Genetics
Topic 8: Origins of Genetic Variation
Topic 9: Control Systems
Topic 10: Ecosystems.

Additional Equipment Required:

Assessment Details

Paper 1: Advanced Biochemistry, Microbiology and Genetics *Paper code: 9BI0/01

- Externally assessed

- Availability: May/June

30% of the total qualification

This paper will examine the following topics:

Topic 1: Biological Molecules, Topic 2: Cells, Viruses and Reproduction of Living Things, Topic 3: Classification and Biodiversity, Topic 4: Exchange and Transport, Topic 5: Energy for Biological Processes, Topic 6: Microbiology and Pathogens, Topic 7: Modern Genetics.

Overview of assessment

- Assessment is 1 hour 45 minutes.

- The paper consists of 90 marks.

- The paper may include multiple-choice, short open, open-response, calculations and extended writing questions.

- The paper will include questions that target mathematics at Level 2 or above

Paper 2: Advanced Physiology, Evolution and Ecology *Paper code: 9BI0/02

- Externally assessed

- Availability: May/June

30% of the total qualification

This paper will examine the following topics:

Topic 1: Biological Molecules, Topic 2: Cells, Viruses and Reproduction of Living Things, Topic 3: Classification and Biodiversity, Topic 4: Exchange and Transport, Topic 8: Origins of Genetic Variation, Topic 9: Control Systems, Topic 10: Ecosystems.

Overview of assessment

- Assessment is 1 hour 45 minutes.

- The paper consists of 90 marks.

- The paper may include multiple-choice, short open, open-response, calculations and extended writing questions.

- The paper will include questions that target mathematics at Level 2 or above

Paper 3: General and Practical Principles in Biology *Paper code: 9BI0/03

- Externally assessed

- Availability: May/June

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40% of the total qualification

This paper will include questions from Topics 1–10.

Overview of assessment

- Assessment is 2 hours 30 minutes.
 - The paper consists of 120 marks.
 - The paper may include short open, open-response, calculations and extended writing questions.
 - The paper will include synoptic questions that may draw on two or more different topics.
 - The paper will include questions that target mathematics at Level 2 or above
- Overall, a minimum of 10% of the marks across the three papers will be awarded for mathematics at Level 2 or above.
- The paper will include questions that target the conceptual and theoretical understanding of experimental methods.

What can I do to support my child at home?

- Ensure that all homework tasks are completed
- Have conversations about the topic areas
- Support during trial exams, topic tests and end of course exams

Recommended resources for the course:

Revise Edexcel AS/A Level Biology Revision Guide Publisher: Pearson Author: Gary Skinner, Steve Hall ISBN: 9781447989967	Revise Edexcel AS/A Level Biology B Revision Workbook Publisher: Pearson Author: Ann Skinner ISBN: 9781447989936
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Teaching Staff Contact Details

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Anna Green	Teacher of science	Anna.green@ewsacademy.org.uk	01908 563468

Additional Information:

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