



Biology: Start of Year 10 Information

Pearson Edexcel IGCSE (Course Code: 4SD0)

Description

The IGCSE Double Award Biology programme provides students with opportunities to learn about unifying patterns and themes in biology and acquire knowledge and understanding of biological facts, terminology, and concepts. During the course, students will apply the principles and concepts of biology, including those related to the applications of biology, to different contexts, and evaluate biological information, making judgements based on this information. Students will learn to appreciate the practical nature of biology, developing experimental and investigative skills based on correct and safe laboratory techniques, drawing conclusions that are consistent with evidence.

The programme acts as an excellent springboard for further study in Biology and all areas of Science. However, it also enables students to develop a range of transferable skills. These include the development of a logical approach to problem solving and the enhancement analysis, interpretation and evaluative skills. Along with this, students will learn how to successfully manipulate specialized apparatus through a variety of different practical methodologies.

Assessment Breakdown

<p>Component 1</p>	<p>Written Assessment 1</p>	<p>This paper is assessed through a 2-hour written examination paper set and marked by Pearson.</p> <p>The assessment focuses on core content and the total number of marks is 110.</p> <p>This paper, along with the Chemistry and Physics assessments makes contributes towards the final Double Award grade (see the Double Award Syllabus for details).</p> <p>It consists of a mixture of different question styles, including multiple-choice questions, short-answer questions, calculations and extended open-response questions that may come from any topic area across the syllabus.</p>	<p>33.3% of the final Double Award Science Grade</p>
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Course Outline

Year	Michaelmas Term	Lent Term	Trinity Term
9	Characteristics of organisms Cells & their organisation Movement in & out of cells	Variety of living organisms Biological molecules & diet	Enzymes & the digestive system
10	Respiration Human gas exchange Plant nutrition & transport	Human transport Coordination, response & excretion	Reproduction
11	Ecology & the environment Inheritance	Uses of biological resources	Revision and final exam preparation

Additional Information

Students will be expected to undertake a number of core practicals throughout the IGCSE Double Award Biology programme. Although these are not formally assessed, a knowledge and understand of how to conduct and interpret these practical investigations will be required for the final examinations.