

INTERMEDIATE 2 BIOLOGY

Welcome to Intermediate 2 Biology. We hope that you will enjoy your time in the department and that you will get a lot out of the course. Here is some general information that you may find helpful.

Course Structure and Methods of Teaching

Intermediate 2 Biology consists of three units - Environmental Biology & Genetics, Living Cells and Mammalian Physiology. These will be studied in the order mentioned with each unit taking around 40 hours to complete. The course is taught using a range of methods including teacher-led discussion, PowerPoint, practical work, note taking, essay writing and text-book questions.

To get an award in Intermediate 2 Biology you will require to pass three internally assessed end of unit tests (N.A.B.s), submit a written report on an experiment and pass the final exam. The final exam consists of three sections totalling 100 marks: Section A - Multiple Choice (25 marks), Section B - Short Answer Questions based on Knowledge, Problem Solving and Practical Activities (65 marks), Section C - Essay Questions (10 marks).

Resources and Equipment

The following equipment will be supplied by your teacher: jotters, past papers, revision notes, and textbook. You should supply: a ring binder in which to keep handouts, pens and pencils. It would also be useful if you had a ruler and calculator. Other items will be given to you as required. Textbooks are very expensive (£15 each). Please keep your textbook in good condition and return it at the end of S4. If you fail to return your textbook you will be charged to replace it.

The following resources, which you may find useful, are available to purchase through the Biology department: Leckie and Leckie Revision Notes.

Homework Policy

Each week you will receive homework. Normally this will consist of one essay, 10 marks of problem solving questions from the textbook and 10 marks worth of past paper questions. From time to time other homework activities may be given instead.

A Final Word of Caution

Please be under no illusions that in order to pass Intermediate 2 Biology you will have to be dedicated and put in a lot of effort - this is an extremely difficult course. Your teacher will help you as much as possible, but if you have any difficulties please let them know - we can only help if we know the difficulties exist in the first place. Supported study classes and Easter School will also be available to support you.

Timeline 09/10 - Senior Intermediate 2 Biology

Week beginning	Topic	Assessment Info.
2 nd June 2009	Cell structure and Function	
8 th June 2009	Cell structure and Function	Cell S + F chapter test
15 th June 2009	Diffusion and Osmosis	Experiment write-up
22 nd June 2009	Diffusion and Osmosis	D + O chapter test
29 th June 2009	Respiration	
19 th August 2009	Respiration	Respiration chapter test
24 th August 2009	Photosynthesis	
31 st August 2009	Photosynthesis	Photosynthesis chapter test
7 th September 2009	Enzymes	
14 th September 2009	Enzymes	Experiment write-up
21 st September 2009	Enzymes	Enzyme chapter test
28 th September 2009	NAB revision	
5 th October 2009	NAB revision	Unit 1 NAB/Unit 1 AB test
26 th October 2009	Genotype and Phenotype	
2 nd November 2009	Genotypes and Phenotype	G + P chapter test
9 th November 2009	Variety in a Species	
16 th November 2009	Variety in a Species	
23 rd November 2009	Variety in a Species	Variety in a Species chapter test
3 rd December 2009	Applied Genetics	
7 th December 2009	Energy Flow	Applied Genetics chapter test
14 th December 2009	Energy Flow	Energy Flow chapter test
5 th January 2010	Variety of Species	Experiment write-up Interim test 2c (Chapters 12-26)
11 th January 2010	Variety of Species/NAB revision	
18 th January 2010	NAB/PRELIM REVISION	Unit 2 NAB PRELIM (Units 1 & 2)
25 th January 2010	Mammalian Nutrition	
1 st February 2010	Mammalian Nutrition	Nutrition chapter test
8 th February 2010	Control of Internal Environment	
18 th February 2010	Control of Internal Environment	Control chapter test
25 th February 2010	Circulation and Gas Exchange	
1 st March 2010	Circulation and Gas Exchange	C + GE chapter test
8 th March 2010	Blood	Blood chapter test
15 th March 2010	Brain and Nervous System	B + NS chapter test
22 nd March 2010	NAB/PRELIM revision	Unit 3 NAB PRELIM (Unit 3)
April 2010	EXAM REVISION	
May 2010	EXAM REVISION	FINAL EXAM