



## DRAYTON MANOR HIGH SCHOOL

### Success at Sixth Form – Subject Specific Tips

<b>Subject</b>	<b>Biology</b>	
<b>Class and homework expectations</b>		
Students should bring the following items to each lesson:		
<ul style="list-style-type: none"> <li>• equipment/stationery (scientific calculator, black/blue pen, green pen, highlighters, ruler, pencil, paper, textbook)</li> <li>• Daily folder containing -             <ul style="list-style-type: none"> <li>– personal learning checklists</li> <li>– all the class work, homework and notes for the units that they are currently working on with each teacher</li> </ul> </li> </ul>		
<b>Scheme of Work</b>		
<b>Year 12</b>	<ul style="list-style-type: none"> <li>• Topic 1: Lifestyle, health and risk</li> <li>• Topic 2: Genes and health</li> <li>• Topic 3: Voice of the genome</li> <li>• Topic 4: Biodiversity and natural resources</li> </ul>	<b>Year 13</b>
		<ul style="list-style-type: none"> <li>• Topic 5: On the wild side</li> <li>• Topic 6: Immunity, Infection and Forensics</li> <li>• Topic 7: Run for your life</li> <li>• Topic 8: Grey Matter</li> <li>• Pre-release handed out in March to study</li> </ul>
<b>Assessment Objectives</b>		
AO1 – Content Demonstrates knowledge and understanding of scientific ideas, processes, techniques and procedures.	AO2 – Application Apply knowledge and understanding of scientific ideas, processes, techniques and procedures: In a theoretical context, practical context and when handling data.	AO3 – Analysis Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to: Make judgements and reach conclusions and develop and refine practical design and procedures.
<b>Assessment</b>		
<b>Year 12 (UCAS Examinations, Year 12 Summer Term):</b>		
<ul style="list-style-type: none"> <li>• Paper 1 – 50% of the overall grade – 80 marks on topics 1 and 2 split over multiple-choice, short open, open-response, calculations and extended writing questions. The paper will include questions that target mathematical skills and questions that target the conceptual and theoretical understanding of experimental methods.</li> <li>• Paper 2 - 50% of the overall grade – 80 marks on topics 3 and 4 split over multiple-choice, short open, open-response, calculations and extended writing questions. The paper will include questions that target mathematical skills and questions that target the conceptual and theoretical understanding of experimental methods.</li> </ul>		

### **Year 13 (A-level examinations, Year 13 Summer Term):**

- Paper 1 – The Natural Environment and Species survival 33.3% of overall A Level grade – 100 marks including multiple-choice, short open, open-response, calculations and extended writing questions on topics 1 to 6
- Paper 2 – Energy, Exercise and Co-ordination 33.3% of overall A Level grade – 100 marks including multiple-choice, short open, open-response, calculations and extended writing questions on topics 1 to 4, 7 and 8
- Paper 3 – General and practical applications in Biology 33.3% of overall A Level grade – 100 marks including questions on the pre-released scientific article that will underpin one section of the paper. The paper will include synoptic questions that may draw on two or more different topics.

Practical Endorsement – students will carry out 12 core practical activities during the two-year course, which will be written-up in a lab book and internally assessed. This will appear as a pass or fail on their A Level certificate.

In addition to the summative assessments listed above, students will take end of topic and progress tests at regular intervals.

### **How to do well in the subject at A Level**

- Attend all lessons and catch-up any work missed using SNAB online and seeing your teacher
- Keep folder organised and up to date
- Respond to the feedback provided by your teacher (feedback tasks and tests)
- Spend a minimum of 5 hours per week studying biology. The time should be spent on:
  - Completing homework (on time)
  - Learning all key terms and definitions (use flashcards)
  - Practising key skills (numerical analysis, literacy and practical evaluation) regularly
  - Practising past examination questions
  - Using Seneca learning, textbooks and science articles (e.g. from New Scientist) to support your studies
- Keeping Personal Learning Checklists up to date and using them to inform revision
- Ensure that you attend all core practical lessons and review them before exams

### **Support available**

- Year 12 and 13 students should use [www.pearsonactivelearn.com](http://www.pearsonactivelearn.com) for worksheets and resources for lessons, as well as the share point folders found [here](#)
- The SNAB workbook provided
- A variety of resources can be found for students to use in the sixth form library and bought from student reception (SNAB textbooks and revision guides as well as BIOzone student booklets and answers)

### **How parents can help support**

- Please help your son or daughter to organise their folder and keep it up to date
- Buy the revision guide from student reception or from amazon for the same price: [SNAB revision guide](#)
- Check that they are doing homework and studying independently as described above  
Discuss with them any letters that you receive about their progress

### **Helpful websites or resources**

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

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

<http://www.edexcel.com/quals/gce/gce08/biology/pages/default.aspx>

<http://www.biologymad.com/>

<http://www.biology-innovation.co.uk/>

<http://www.thealevelbiologist.co.uk/>

<https://www.senecalearning.com/>

SNAB revision guides can be purchased from Student Reception