DIXONS SIXTH FORM ACADEMY

SUMMER WORK 2022

A Level Biology

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Contents

About the Summer Work

This booklet contains a number of tasks that students are expected to complete to a good standard in order to be able to be enrolled in this subject.

Welcome to Dixons 6th Form Academy and well done for taking A-Level Biology!

 You should bring your completed careers part of the summer work with you to your first Biology lesson in September. The Biology summer work should only take 5-6 hours in total so don't spend days on this.

This booklet also contains significant additional information and a range of optional tasks. We would encourage you to complete all the tasks including the optional ones to fully prepare for Sixth Form study.

Welcome to Biology

Subject outline

Biology helps us to understand and explain the natural world around us; from a single cell to whole ecosystems. In this course you will expand upon a range of familiar topics: including molecules, cells, body systems, ecology, genetics and biotechnology.
At the end of two years you will be assessed by written examination. Each exam is two hours long and the papers are as follows: paper 1 (all year 1 work), paper 2 (all year 2 work), paper 3 (everything!)

Careers & Higher Education

If you are considering medicine, vet science or dentistry, biology should be on your list of A levels. However, Biology leads to MUCH more. A Biology degree is highly sought-after and sets you up for a wide range of possible career options. These include ecologist, biologist, geneticist, biochemist, microbiologist, pharmacist, scientific writer, epidemiologist, bioinformatician, biomedical engineer – and many more. A really useful site is prospects. Try this page and this page for more exciting careers.

Links to key information

For more information about the course see this Course Information Guide.

The Royal Society of biology

The Biochemical Society

AQA A-Level Biology Syllabus:
https://filestore.aqa.org.uk/resources/biology/specifications/AQA-7401-7402-SP-2015.PDF

Summer work tasks

Task 1:

Please create *at least* one job profile about a career linked to Biology, **other than** Medicine, Dentistry, Pharmacy and Optometry. Make it clear and engaging as we will be displaying the best ones in the study area! Maybe use those links on the previous page?

Success criteria: An overview of the job, qualifications required; degree/apprenticeship pathway; relevance to Biology; roles and responsibilities; starting salary; career progression and why it interests you?

The work handed in should:
• be written in full sentences with no copying and pasting from external sources
• have your full name on each sheet

Task 2:
Please follow the link below to access some work on Seneca. We'd like you to all to come to use with as close to the same level of GCSE knowledge as possible. **You will be asked to sign in with your email address.** Take your time to work through and answer the questions, don't rush. You may use resources and notes to help you answer the questions
Link 1
https://app.senecalearning.com/dashboard/class/icxz3p59b2/assignments/assignment/f0c140cf-63f1-4103-b14c-e681035f29af
Link 2
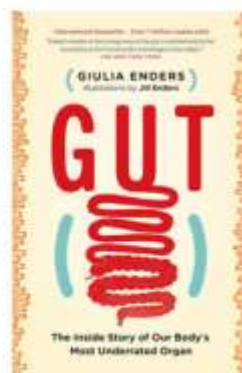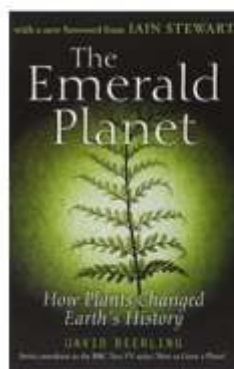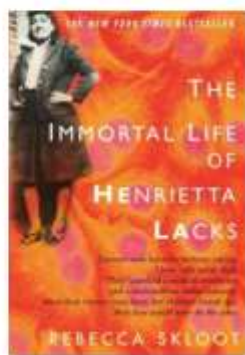https://app.senecalearning.com/dashboard/class/icxz3p59b2/assignments/assignment/5bab8f35-4b26-45e3-875d-6214d06c9c61
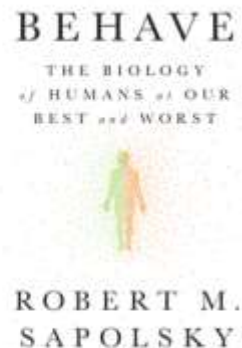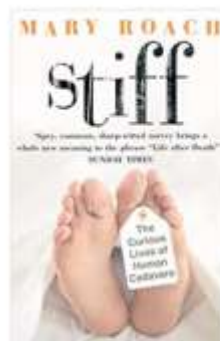
Task 3:
Finally, we would like to assess your prior knowledge. Please attempt this multiple choice forms quiz in exam conditions. Do not use Google or any resources to help you – we need to know where your strengths and weaknesses lie! Don't panic if you don't quite manage to get things right, that's what we're here for.

Further reading

Podcasts (click images for links)

Links to careers (click image for links)

Royal Society of Biology

UCAS

Health Careers

PROSPECTS

National Careers Service

The Medic Portal

VSC Veterinary Schools Council

DSC Dental Schools Council