

Prospective year 12 Biology Students PART 2- Your Summer Tasks 2020

Preparation work

1. Download the link to the Big Picture website – bigpictureeducation.com/issues.
2. On their home page, go to 'about us' and sign up.
3. Return to the home page, Scroll down and find the issue called **The cell** section downloads
4. Click on the words **The Cell**.
5. Download all files/folders OR, better still, download them from FROG:
 - 'SUBJECTS'>'SCIENCE'>'KS5 BIOLOGY'
 - 'COURSE INFOORMATION' on the page
 - Folder marked, '**Year 11 into 12 summer study tasks 2020**'
 - **Folder 'PART 2'**
6. In the '**Cell & Microscopy Media Pack**' folder, you need a) to read/print off the PDF version of the 'Big Picture' magazine, b)print off and study the poster on 'The Cell' – A3 colour would be better!

Tasks (ALL DUE IN FIRST WEEK BACK)

1. Print off the worksheets and pictures on cells and microscopy. Use the media/text books/the video clips in the folder to complete the worksheets/tasks on:
 - AS microscopy worksheets
 - AS cell worksheets – all about parts of cells.

(I can supply you with a text book to give you some help with this work, too!)
2. Get familiar with and learn the parts of a cell and the function/special features of those parts – that is where the cell poster comes in! There is more in folder marked '**The Cell & Microscopy Media Pack**' to guide you too, like video clips as well!!!
3. When you come back in September, you should have the work sheets on cell structure, organelles and microscopy finished, AND be ready for a **test** on '**Cells, Cell Structure and Cell Adaptation**.'
4. There is a '**written task**' for you called:

Everything natural is good and everything that is unnatural is bad. Discuss.
5. FINALLY (yes there is a 'FINALLY'), you will be expected to read **AND** briefly review one of two books (or maybe even both, if you are an avid reader)(You can swap for a book from the reading list in TASK 1):
 - 'Bad Science', by Ben Goldacre, about the truth in science (Brilliant!)
 - 'A Short Story of Nearly Everything', by Bill Bryson (equally brilliant!)

The idea is that you really do need to read around your subject – university interviewers like to see that! Both books will set you straight on how to approach and understand real science and who really did what! The truth is out there!

There is a further extension reading list of books on another word document – all really good!!