

WATCH.....

https://www.ted.com/talks/drew_berry_animations_of_unseeable_biology

Fundamental aspects of the curriculum explored in a new and interesting way

https://www.ted.com/talks/daniel_kraft_how_covid_19_transformed_the_future_of_medicine

Topical yet engaging look into Chapter 12 content relevant for the future biologists of the world

<https://www.youtube.com/c/biorach>

A great, simple yet informative, look at the various aspects of the curriculum

COURSE DETAILS.....

<https://ocr.org.uk/qualifications/as-and-a-level/biology-a-h020-h420-from-2015/>

The specification for the course is found here as well as all available past papers and useful documentation to support your A level biology journey.

READ.....

<https://thebiologist.rsb.org.uk/biologist>

The Royal Society of Biology's publication delivering articles on various aspects of the diverse landscape of biological sciences

<https://www.bmj.com/research>

The website of the British Medical Journal that has up to date research, news and information linked to the human biology aspects of the curriculum.

GET AHEAD.....

The first topic we will be covering is:

Teacher 1 – Microscopy and Cell Structure

Teacher 2 – Biological Molecules: Water, Carbohydrates, Lipids and Proteins

Recap GCSE content and use the following to give you a head start.

<https://senecalearning.com/en-GB/>

<https://www.cognitoresources.org/resources/a-level/qsbytopic/biology/ocr>

<https://www.savemyexams.co.uk/a-level/biology/ocr/17/revision-notes/>

GET ORGANISED.....

You need to have: Checklists (RAG'd as you work through the content), Notes (both summary and detailed), knowledge organiser, practice questions, homework, assessments and DIRT.

Folder's need keeping up to date each week and must be brought to the lesson.

This can be completed electronically but needs to be printed and a hard physical copy kept for work scrutiny.

TASK.....

Henrietta Lacks Research Project

Research who Henrietta Lacks was, what her contribution to the field of Biology was and why her contribution might be considered controversial.

You need to summarise the following:

Who was Henrietta Lacks? Give a brief summary of her history.

What was her contribution to Biology? Include what HeLa cells are, how they have been used in both medical and scientific research.

Why are the use of HeLa cells controversial? Give multiple arguments why they would be controversial.

An opinion on whether this could happen today and whether it should happen today? Argue for and against informed consent and bioethics in this case. Is it the right of every person to have a say of how their cells are used or is it everyone's obligation as members of society to donate?

Work needs to be formally presented and students prepared to discuss your report with the class.

QUESTIONS, QUERIES AND COMMENTS.....

Use this section to make a note of anything you would like to ask your teacher about when the course starts in September.