



## **BIOLOGY: BRIDGING ACTIVITY**

### **Development Tasks**

These tasks are to be completed so that you are ready for the challenge of A Level Biology. These tasks will not be needed to be handed in, however at the start of the course they will be checked to see what you have done. Therefore, you will need a folder/organiser for your work.

There are several options below to choose from

1. Some A level transition maths skills, complete questions then mark. (answers at end) [http://fdslive.oup.com/www.oup.com/oxed/secondary/science/Science\\_A\\_Level\\_Transition\\_Pack\\_Biology.pdf](http://fdslive.oup.com/www.oup.com/oxed/secondary/science/Science_A_Level_Transition_Pack_Biology.pdf)
2. Search on amazon.co.uk “New Head Start to A-level Biology” this is a free Kindle book to practise key skills.
3. Look at the free courses here and select at least one that interests you and complete. <https://www.open.edu/openlearn/free-courses/full-catalogue>

### **Research Task – Hand in at the start of the course.**

This activity is designed to help you to understand some of the topics we will be covering whilst you study Biology and to be able to identify some of the key biological issues that are present in the world right now.

You need to complete a research task exploring the issues associated with this topic:

**What is the epidemiology of Malaria, how can it be prevented, and what are the global impacts of Malaria?**

Your essay should be roughly 2000 words and should tackle this task by breaking down the topic into the three questions expressed. It should include pictures/diagrams/graphs to support your writing and have a bibliography of all your reference sources.

Task 1: What is the epidemiology of Malaria?

Task 2: How can the spread of Malaria be prevented?

Task 3: What are the global impacts of Malaria?

How to structure your essay:

- a) Introduction: briefly outline epidemiology and problems of Malaria and explain why it should be prevented.
- b) What is the epidemiology of Malaria? (Basically: what are the causes of Malaria?)
- c) How can the spread of Malaria be prevented? Give examples of all the different prevention methods and how they work, such as drugs, nets etc.
- d) What are the global impacts of Malaria?
- e) Why is Malaria dangerous to human health? What happens to their bodies? What are the short and long-term issues? What is the life expectancy?
- f) Conclusion: summarise and give your own personal view in regards to the causes, impacts and prevention of Malaria and what we should be doing about it
- g) Bibliography.

We look forward to reading your essays!