



SIMON LANGTON GRAMMAR SCHOOL FOR BOYS

SIXTH FORM

Summer Biology Tasks

The following two tasks should be completed in readiness for starting your AQA Biology course at the Langton this September. These should be brought with you to your first biology lessons.

Task 1

Develop a timeline from the discovery of DNA as the hereditary molecule of life through to the publication of the human genome project. You should include some detail on each of the discoveries you choose to add to your timeline together with the names of those scientists or scientific teams responsible.

Task 2

Identify a current issue in biology that sparks your interest from sources such as New Scientist, Scientific American, the BBC website or the science supplements of a reputable print or online newspaper. Provide a summary of the key biology and its implications that you could present to the class at the start of September. If necessary, conduct some additional background research behind the biological news item.

Please research and write an essay on the **“The importance of water for life”**.

Water is one of the most important substances on planet Earth. Without water, life would be impossible. It provides both a habitat for organisms and is essential to the physiology and biochemistry of organisms. In your essay, you should aim to link some of the important biological uses of water to its unusual properties as a molecule. Your essay should be no longer than 1000 words in length.