



King's High School

All sessions
run from
4.15pm-5.15pm
and are **free of**
charge to
attend

Antibiotics

Year 10 students, join us for
our **8-week programme**
of **activities** at King's High
in which we will **study**
infectious diseases and
antibiotic resistance

Choose up to four sessions from:



Chemistry

Thursday 28 April



Biology

Thursday 5 May



Philosophy

Thursday 12 May



Art

Thursday 19 May



History

Thursday 9 June



English

Thursday 16 June



Geography

Monday 20 June



Psychology

Monday 27 June

Please click here to register your place



Infectious Ideals

This is a programme of activities for Year 10 students that looks at Infectious diseases and Antibiotic resistance. The aim of the programme is to bring various areas of the curriculum together.



Biology and **Chemistry** will look at types of infectious disease, types of bacteria relating the names to the shapes, growing some bacteria using agar plates and seeing the effect of essential oils on the bacteria. We also look at gram positive and gram negative bacteria and the effectiveness of antibiotics, what chemicals are used and their efficacy. We will look at how essential oils are extracted and the antibacterial nature of these, as well as the effect of copper surfaces on bacteria reproduction.



In **Psychology** you will be looking at the relationship between the gut biome, the brain and behaviour, and the influence, both good and bad, that antibiotics can have on this interacting system.



In **Geography** you will be assigned a role within a WHO team to manage the outbreak of an infectious disease. You will make decisions about how to manage the disease as it spreads around the world with real-time updates on the changing geographical patterns of the disease spread.



In **Philosophy** and **Theology** you will be looking at the ethics of access to vaccines and the role that religion can have in spreading information and misinformation surrounding disease.



Art will involve making a model of a virus or bacteria. Get creative and design your own!



Horrible History?

Three pandemics of plague have occurred in human history; the best-known and perhaps largest was the 'Black Death', which infected vast numbers of people across Eurasia, and killed somewhere between 75 and 200 million. How did the Black Death change the world? What records will future historians use to judge the COVID-19 pandemic – TicToc or BBC News? Will historians in South Africa record a different version of history than those in the USA or Italy or England?



In **English** you will study the poetry related to disease.

This is an exciting opportunity to look in more depth at some crucial ideas that affect society in a big way. Covid-19 is the current big health issue but is Antibiotic Resistance lurking in the background ready to wreak havoc on the Human Race?