

Tripe BTEC Induction Task Summer 2021

Unit 7 Contemporary Issues in Science

Read the article provided: 'Bacterial Resistance Wars' from 2012. It explains one of the greatest challenges facing the medical world – the issue of Antibiotic Resistance. Once you have finished, you need to research antibiotic resistance further for yourselves.

TASK:

Write a 400-500 word discussion regarding the problems of Antibiotic Resistance and how we can overcome them.

You should include;

- How antibiotic resistance occurs
- evidence from 'superbugs'
- how we can reduce antibiotic resistance
- what the future would look like if we run out of antibiotics.
- ALSO include relevant referencing to the sources you have used – you should try and find another 2 sources for yourselves from online books/ journals/ articles. Use the Library on Firefly or ask if unsure

This work can be typed or hand written. Please bring it in for the first BTEC lesson in September.

Other interesting links;

<https://www.youtube.com/watch?v=plV4k4NVIUh8> Harvard University Medical School 'Megaplate' experiment

<https://www.nature.com/articles/50952a> Nature Article with useful infographics for antibiotic resistance

<https://www.youtube.com/watch?v=znnp-lvj2ek> 'What Causes Antibiotic Resistance?' TED Talk

https://www.youtube.com/watch?v=uVUf_pt7Sh0 Amoeba Sisters talk antibiotics

<https://www.youtube.com/watch?v=o3oDpCb7VqI> 'What do we do when antibiotics don't work anymore?' TED Talk