

STEP INTO SIXTH FORM

TASK 2: LAB SCIENCES

INTRODUCTION VIDEO

Click [here](#) to view the task introduction video.

TASK

Pick one of the bacterial diseases from the list and produce an information leaflet or poster to inform scientists about the disease and why it is important that effective treatments are available.

You might want to include:

- A brief introduction about antibiotic resistance—what it is and why it is important
- For your chosen disease:
 - What is the name of the organism/bacteria that is involved?
 - What does the bacteria look like? Can you find a picture of it?
 - What are the symptoms of the disease? Which parts of the body are affected?
 - How does it spread?
 - How dangerous is it?
 - Why is it important to have an effective treatment?

Work as a team (groups of 2-4) and share out the tasks. You may find it much easier this way!

You might want to spend about 20 minutes on research and 30 minutes bringing it all together to produce your poster or information leaflet.

List of diseases:

Pneumonia
Gonorrhoea
Salmonellosis
MRSA
Plague (Yersinia pestis)
E. coli
Cholera
Tuberculosis (TB)
Meningitis
Lyme disease

WEBSITES AND ONLINE LEARNING MATERIALS

- <https://www.who.int/news-room/fact-sheets/detail/antibiotic-resistance>
- <https://www.youtube.com/watch?v=znp-ivj2ek> (video on antibiotic resistance)
- <https://www.antibioticresearch.org.uk/about-antibiotic-resistance/bacterial-infections/common-bacterial-infections/>
- <https://www.gov.uk/topic/health-protection/infectious-diseases>

CONTACT

For any questions about your Step Into Sixth Form task, please select the STEM pathway via the chat function vtour.stokesfc.ac.uk