

# The Applied Science Bridging Work

This work has been designed to demonstrate typical activities throughout this course and will be used to assess your ability to complete work independently, and read and follow instructions. These activities will also demonstrate your ability to research information effectively and use your own initiative in order to complete the tasks in full and in appropriate detail

**Read through the following Applied Science bridging work and complete the task, ensuring it is kept safe, as this work will be required in your lessons.**

**All work should be presented on a word document, using ARIAL and size 11 font.**

**Where word is not available, students should produce clear, neat hand written responses to the bridging work.**

## Scenario:

You are a government scientist who has been working on a task force looking at the spread of COVID-19 in our country.

## Your task:

To produce a scientific report to present back to you superiors showing them what you have found out about the spread of COVID-19 (causes by the virus SARS-Cov-2) and how we can adapt to prevent a second wave.

## The assignment should cover the following

- How do infectious diseases (caused by pathogens) spread from person to person?
- How do pathogens harm the body?
- How can we minimise the spread of infectious diseases?
- How would a vaccine help prevent further outbreaks?

## Assessment Criteria

PASS	MERIT	DISTINCTION
P1 - Describe how SARS-Cov-2 spreads from person to person.	M1 - Explain how the spread of SARS-Cov-2 can be minimised.	D1 - Evaluate the potential benefits and risks of a vaccine for SARS-Cov-2 in preventing any future outbreaks of coronavirus.
P2 - Describe how SARS-Cov-2 affects human health.		

## Submission of induction assessment activities:

Ensure your task is presented professionally and kept safe.

Keep all notes and findings safe, you will need this information to support the completion of the units in this qualification.

Your work will need to be sent to Mrs Owen by **3PM ON FRIDAY 11<sup>TH</sup> SEPTEMBER**, if you have completed this work electronically it should be emailed to:

[sixthformsupport@astreawoodfields.org](mailto:sixthformsupport@astreawoodfields.org)

If you have hand written your responses to the assessment activities, this will need to be handed in to main reception or posted direct to Mrs Owen:

Astrea Academy Woodfield,  
Weston Road  
Balby  
Doncaster  
DN4 8ND