

KS4-Home Learning Resources



Meadow Park
Patience, Guidance and Determination

PATIENCE • GUIDANCE • DETERMINATION

Teacher Instructions

Science GCSE

Hi everyone, I hope that you and your families are well!

For the next 3 weeks of learning we will be concentrating on **'communicable diseases'** which are diseases that are contagious.

We will be using the BBC Bitesize website (which contains relevant key facts as well as videos and quizzes) **as well as Seneca learning** which is made up of short revision notes and then comprehension based exercises to test knowledge and understanding.

Each focus will last the week (I have split the tasks up to help you organise your time as there is quite a bit of research and information) and **you only complete the Seneca assignments that match the focus** of that week. **Try your best!**

Work can be completed on a laptop (power point/word) or on paper as notes/revision flash cards.

Also watch any videos with the resources to help your understanding and try the quiz questions online.

Mathematics GCSE	Week 1	Week 2	Week 3
Monday	<p>INSERT WEBSITE</p> <p>https://app.senecalearning.com/dashboard/join-class/htvdtfbdzf</p> <p>https://www.bbc.co.uk/bitesize/guides/zxr7ng8/revision/1</p>	<p>INSERT WEBSITE</p> <p>https://app.senecalearning.com/dashboard/join-class/htvdtfbdzf</p> <p>https://www.bbc.co.uk/bitesize/guides/zxr7ng8/revision/6</p> <p>https://www.bbc.co.uk/bitesize/guides/zxr7ng8/revision/8</p>	<p>INSERT WEBSITE</p> <p>https://app.senecalearning.com/dashboard/join-class/htvdtfbdzf</p> <p>https://www.bbc.co.uk/bitesize/guides/zxr7ng8/revision/8</p> <p>https://www.bbc.co.uk/bitesize/guides/zxr7ng8/revision/10</p>
	FOCUS	FOCUS	FOCUS

	<p>LO: To compare the causes of communicable diseases.</p> <ul style="list-style-type: none"> • State what a communicable disease is • Give 4 examples of pathogens that cause communicable diseases. • Compare examples of diseases that each pathogen causes. • Outline the 5 methods of transmission. 	<p>LO: To compare the prevention and treatment of communicable disease</p> <ul style="list-style-type: none"> • COMPLETE ANY ONLINE QUIZZES ON BITESIZE OR MATCHING SENECA ASSIGNMENTS. • State 5 ways that disease can be prevented from being transmitted. • Include examples of diseases that each method prevents and how they stop the spread. 	<p>LO: To compare the immune system defences of the human body</p> <ul style="list-style-type: none"> • These include the immune system responses. • Outline, using diagrams how white blood cells called phagocytes defend the body against disease. (Non-specific immune response).
<p>Wednesday</p>	<p style="text-align: center;">FOCUS</p> <p>LO: To research in more detail viruses and bacteria.</p>	<p style="text-align: center;">FOCUS</p> <p>LO: To interpret data on the transmission of disease.</p>	<p>LO: To compare the immune system defences of the human body</p>
	<ul style="list-style-type: none"> • State some key features of viruses • Explain how they cause illness • Compare the symptoms of measles and HIV in humans and tobacco mosaic virus in plants. • Repeat the task but for bacteria and illnesses that bacteria cause in humans and plants. 	<ul style="list-style-type: none"> • Read the information on the bitesize link at the top of week 2 and work through the online tasks of interpreting data. • Mark you answers using the 'reveal' button and correct any mistakes. • Carry out some research on data regarding the transmission of Corona Virus and state any interesting patterns or trends. 	<ul style="list-style-type: none"> • Outline, using diagrams how white blood cells called lymphocytes defend the body against disease. (Specific immune response). • Complete Seneca tasks that match the topics you have been researching about.

Friday	FOCUS	FOCUS	FOCUS
	<p>LO: To research in more detail Protists and fungi.</p> <ul style="list-style-type: none"> Compare the symptoms and causes of disease of protists and fungi in humans and plants. 	<p>LO: To research non-specific defence systems of the human body</p> <ul style="list-style-type: none"> Using diagrams compare the non-specific defences of the human body (include physical and chemical defences.) 	<p>LO: To research diseases that are non-communicable.</p> <ul style="list-style-type: none"> There are some diseases that cause illnesses that are not contagious (non-communicable). Research some examples and the diseases that they cause. (We will be doing this in more detail so you only need a brief outline today.)