

YEAR 12 - Batch 1 - BIOLOGY

WEEK 13 (22nd Nov – 26th Nov)

Work sent to students through Class Bio Whats App Group /Google Classroom

Topic 2.2 – Viruses

L.O – Explain cause, spread and control of viral diseases - Food and mouth disease & Ebola.
Compare modern drug trialling to William Withering method. **Discuss** the role of antivirals in destroying virus and the difficulty to treat once infection has occurred, as exemplified by the 2014 Ebola outbreak in West Africa.

Biology Students Book 1

B1- Tuesday – 4th period(Zoom)	Students able to <ul style="list-style-type: none">● Identify cause & spread of Food and mouth disease & Ebola● Explain the control of viral diseases● Compare Food and mouth disease & Ebola Resources: PowerPoint - Virus & Video link https://www.youtube.com/watch?v=B44JfptNuG0 https://www.youtube.com/watch?v=bLTD20FS6Dc https://www.youtube.com/watch?v=9axOfPqS0c https://www.youtube.com/watch?v=YsEp9veyqhs Students to complete Text book questions pg. 105 q.1-3
B1 - Thursday – 1st period (Zoom)	Students able to <ul style="list-style-type: none">● Identify stages of modern drug trialling .● Differentiate modern drug trialling to William Withering method .● Explain various ways how antiviral drugs work – reverse transcriptase inhibitors, protease inhibitors & intergrase inhibitors● Evaluate the ethical implications of using untested drugs during epidemics Resources: PowerPoint - Virus & Video link https://www.youtube.com/watch?v=3G10gAcW8rw https://www.youtube.com/watch?v=YwN26cJzq0k https://www.youtube.com/watch?v=ng22Ucr33aw
B1 - Thursday – 2nd period (GC)	Asynchronous learning Students to complete Text book questions pg. 105 q.4 -7 turn in the document in GC

YEAR 12 - Batch 2 - BIOLOGY

WEEK 13 (22nd Nov – 26th Nov)

Work sent to students through Class Bio Whats App Group /Google Classroom

Topic 2.2 – Viruses

L.O – Compare modern drug trialling to William Withering method. **Discuss** the role of antivirals in destroying virus and the difficulty to treat once infection has occurred, as exemplified by the 2014 Ebola outbreak in West Africa.

Biology Students Book 1

B2- Monday – 5th & 8th period(Zoom)	Students able to <ul style="list-style-type: none">● Identify stages of modern drug trialling .● Differentiate modern drug trialling to William Withering method .● Explain various ways how antiviral drugs work – reverse transcriptase inhibitors, protease inhibitors & intergrase inhibitors● Evaluate the ethical implications of using untested drugs during epidemics Resources: PowerPoint - Virus & Video link https://www.youtube.com/watch?v=3GI0gAcW8rw https://www.youtube.com/watch?v=YwN26cJzq0k https://www.youtube.com/watch?v=ng22Ucr33aw
B2 - Wednesday – 5th period (GC)	Asynchronous learning Students to complete Text book questions pg. 105 q.4 -7 turn in the document in GC

YEAR 12 - Batch 1 & 2 - BIOLOGY

WEEK 13 (22nd Nov – 26th Nov)

Work sent through Google classroom/G mail/Online Quiz/ZOOM Learning Platform

Topic 1.4-Enzymes & 4.1.1 Exchange and transport

L.O - Factors affecting the rate of enzyme activity. Evaluate the application of enzymes in daily life. Discuss Fluid mosaic model of cell membrane

Biology Students Book 1

<p>B1- Sunday – 8th period (Zoom)</p> <p>B2- Tuesday – 3rd period (Zoom)</p>	<p>Students able to</p> <ul style="list-style-type: none">● Investigate and explain the effects of temperature, pH on the rate of enzyme-catalysed reactions, and explain these effects● Describe the effects of temperature, pH on the rate of enzyme-catalysed reactions, and explain these effects <p>BOARD WORKS –Enzymes-No -7-21]</p> <p>Video and PPT: Effect of pH and temperature on enzyme action</p> <p>Websites:www.science.co.uk/biology/enzymes.html, www.internet4classrooms.com</p> <p>Research enzyme kinetics in more detail. Use of enzymes in food and fruit juice industry like Al ain and Al Rawabi</p> <p>Text Book Page Numbers – 60-61</p>
<p>B1 - Monday – 1st & 2nd period (Zoom)</p> <p>B2 - Thursday– 5th & 6th period (Zoom)</p>	<p>Students able to</p> <ul style="list-style-type: none">● Recall the structure of cell surface membrane with reference to the fluid mosaic model● Explain how this structure relates to the different types of transport in cells <p>Board works-Transport across the membrane [slide No-16 -30]</p> <p>Video and PPT: Structure of cell membrane.</p> <p>Websites:www.science.co.uk/biology/cell membranet.html, www.internet4classrooms.com</p> <p>The national STEM centre has some good resources and animations. Go to www.nationalstemcentre.org.uk and search for 'diffusion'. Suitable animations of diffusion are available at on the Internet (search for'diffusion')...</p> <p>Research the influence of lipid solubility on the uptake of vitamins, pollutants or drugs into the body.</p> <p>Text Book Page Numbers – 212-213</p>