YEAR 13 Batch 1 & 2 - BIOLOGY

WEEK 11 (8th Nov – 12th Nov)

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

Topic 6-Microbiology and pathogens [6.2.1,6.2.2 –viruses as pathogens and fungus as pathogens]

L.O - Expain viruses as pathogens and fungus as pathogens

Biology Students Book 2

B2- Sunday – 0 period (Zoom) **B1- Tuesday –5 th period (Zoom)**	**Students able to-** **Expain the transmission ,mode of infection and pathogenic effect of the influenza virus.** **BOARD WORKS-AS—Infectious diseases 6-12** **Video and PPT: Structure and reproduction of influenza virus** www.internet4classrooms.com www.science.co.uk/biology/influenzavirus.html, Find out more about the major influenza epidemics that have occurred since the early twentieth century. Note down the key features of each and write a paragraph to explain any differences in infection and mortality rates in different sections of the population. Find out how the names of the H and N subtypes of influenza type A are derived. **Text Book Page Numbers – 66-67**
B1- Thursday – 1st and 2nd period(Zoom) **B2 - Monday – 8th & Thursday 7th period (Zoom)**	**Students able to-** **Expain the transmission ,mode of infection and pathogenic effect of the fungus Puccinia graminis** **BOARD WORKS-AS—Infectious diseases 6-12** **Video and PPT: Structure and reproduction of Puccinia graminis** www.internet4classrooms.com www.science.co.uk/biology/puccinia graminis.html, **Text Book Page Numbers – 68-69**

YEAR 13 Batch 1 & 2 - BIOLOGY

WEEK 11 (8th Nov – 12th Nov)

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

Topic 5.1:- Cellular Respiration

L.O – Investigate factors affecting the rate of aerobic or anaerobic respiration using a respirometer. Describe the link between protein, lipid & carbohydrate metabolism.

Biology Students Book 2

B2 - Sunday – 6th & 7th Period (Zoom) **B1- Monday –1st &2nd Period (Zoom)**	**Students able to** ● **Describe** the use of respirometer to measure rate of respiration. ● Enlist the safety and ethical use of organisms during the experiment ● Calculate the rate of respiration of organisms with the use of respirometer ● Predict the use of dyes in determining rate of respiration in organisms. **Resources:** Board works – cellular respiration & Video link **https://www.youtube.com/watch?v=Q7i4BgRdRnc** **https://www.youtube.com/watch?v=EhpL1e92hN8** **https://www.youtube.com/watch?v=JLzBYTQkTlI** **Students to complete Worksheet – Cellular respiration 3**
B2 - Monday– 3rd Period (Zoom) **B1 -Tuesday – 4th Period (Zoom)**	**Students able to** ● Calculate the RQ value of various respiratory substrates. ● Identify the roles of various respiratory substrates. ● Describe the link between carbohydrate, protein & fat metabolism. **Resources:** PowerPoint – Metabolism Board works – cellular respiration & Video link **https://www.youtube.com/watch?v=semzlQKx0dY** **https://www.youtube.com/watch?v=pM_61vNMZJk** **Students to complete Worksheet – Cellular respiration 3**