

YEAR 13 A - BIOLOGY

WEEK 8 (10th May- 14th May)

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

Topic 3:- Biodiversity & Topic 8: Selection Pressure & Gene Pool

L.O – To revise concepts on types of natural selection , Genetic drift & Species diversity

Biology Students Book 1 & 2

Monday – 1 st Period(Zoom)	<p>Zoom discussion of questions on Statistical testing ,Speciation & Genetic Drift, Natural selection</p> <p>Resources: Video link</p> <p>https://www.youtube.com/watch?v=XNN-ag_28pk https://www.youtube.com/watch?v=wWyICPXPLMU</p> <p>Students able to</p> <ul style="list-style-type: none">●recall concepts on types of natural selection , Genetic drift & Species diversity
Monday – 2 nd Period(GC)	<p>Students to complete the task on types of natural selection, Allele frequency & Genetic drift put in Google classroom</p> <p>Students able to</p> <ul style="list-style-type: none">●recall concepts on types of natural selection , Genetic drift & Species diversity
Tuesday – 4 th Period (Asynchronous learning)	<p>Research on Selection pressure of disease and complete questions 1- 4 pg.171 related to think Bigger activity Are Humans Still Evolving? given on pg.170 and task to be turned in Google classroom .</p>

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Topic 6.1: Pathogens

L.O.: To revise and describe the transmission, mode of infection and pathogenic effect of the following: ● bacterial infections ● stem rust fungus on cereal crops (*Puccinia graminis* on wheat) ● influenza virus ● the malarial parasite (*Plasmodium spp.*).

<p>Tuesday- 5th period</p> <p>Zoom session</p>	<p>Students able to</p> <ul style="list-style-type: none">● <i>Explain the transmission, mode of infection and pathogenic effect of Infections</i> <p>Resources: Video link</p> <p>https://www.youtube.com/watch?v=AeuP5IYP5HA&t=309s https://www.youtube.com/watch?v=Np87w5kCL-4</p>
<p>Thursday- 1st and 2nd period</p>	<p>AFL and practice on past paper questions : Pathogens GC</p> <p>Students able to</p> <ul style="list-style-type: none">● <i>Predict the roles of social, economic and biological factors in the prevention and control of cholera and malaria.</i>● <i>Analyze the global patterns of distribution of malaria.</i> . <p>Asynchronous learning-Group online assignment Statistical analysis and drawing conclusions</p>

YEAR 13 B - BIOLOGY

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Topic 3:- Biodiversity & Topic 8: Selection Pressure & Gene Pool

L.O – To revise concepts on types of natural selection , Genetic drift & Species diversity

Biology Students Book 1 & 2

Sunday – 6 th Period (Zoom)	<p>Zoom discussion of questions on Statistical testing ,Speciation & Genetic Drift</p> <p>Resources: Video link</p> <p>https://www.youtube.com/watch?v=XNN-ag_28pk https://www.youtube.com/watch?v=wWylCPXPLMU</p> <p>Students able to</p> <ul style="list-style-type: none">●recall concepts on types of natural selection , Genetic drift & Species diversity
Sunday – 7 th Period (Asynchronous learning)	<p>Research on Selection pressure of disease and complete questions 1- 4 pg.171 related to think Bigger activity Are Humans Still Evolving? given on pg.170 and task to be turned in Google classroom</p>
Monday – 3 rd Period (GC)	<p>Students to complete the task on types of natural selection, Allele frequency & Genetic drift put in Google classroom</p> <p>Students able to</p> <ul style="list-style-type: none">●recall concepts on types of natural selection , Genetic drift & Species diversity

YEAR 13 B - BIOLOGY

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Topic 8- Origin of genetic variation

L.O- Revise genetic information , di hybrid inheritance & gene linkage

Biology worksheet file, Past papers and text book 2

Sunday -0 period	Google class room/ Online Quiz –Revision and discussion of topic wise questions—8.1 Text Book Page Numbers -136 to 159 Resources: https://drive.google.com/open?id=1oM7IeP6wLElaDDN8rS-MNsc8DGcaOS8e Students able to <ul style="list-style-type: none">●recall concepts genetic information , di hybrid inheritance & gene linkage
Monday 8 th period	Asynchronous learning-Research work New evidence suggests that horizontal gene transfer is more widespread than previously thought and may involve in evolutionary changes –Find out the validity of the evidence and task to be turned in Google classroom
Thursday 7th period	Zoom class –discussion and clarification of doubts based on the topics 8.1 Text Book Page Numbers -136 to 159 Students able to <ul style="list-style-type: none">●recall concepts genetic information , di hybrid inheritance & gene linkage