

YEAR 11 A - F BIOLOGY

WEEK 9 (17th May to 21st May)

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

SB3-Genetics

L.O – To revise concepts on mutations in coding & non coding regions affecting phenotype and altering the activity of the protein produced .To recall the work of Mendel in discovering the basis of genetics & explain how they affect the inherited characteristics.

Biology Text Book

<p>Sunday-5 th Period (girls) Sunday 8 th Period (boys)</p>	<p>Zoom class discussion of concepts on mutation affecting protein synthesis & phenotypic characteristics Text book Pages –60 to 61 &70 to 71 https://www.youtube.com/watch?v=RXmpVboM040 https://www.youtube.com/watch?v=-hryHoTIHak <u>Students able to</u> <ul style="list-style-type: none"> ● Identify, predict &, describe how mutation alter the quantity of proteins produced, ● the importance of triplet code /genetic code in sequence of amino acids </p>
<p>Sunday – 6 th period (girls) Monday - 4 th period (boys)</p>	<p>Students to complete & turn in work done in zoom session in google classroom. <u>Students able to</u> <ul style="list-style-type: none"> ● evaluate how mutation alter the quantity of proteins produced ● identify the implications, future benefits and ethical issues related to human genome project. </p>
<p>Tuesday – 3rd period (boys) Tuesday -8th period (girls)</p>	<p>Asynchronous learning –Students to research on ‘Mutation and its applications, with particular emphasis on the relationship between mutation and disease.’ <u>Students able to</u> Collect relevant details about mutations and interpret &evaluate the information collected and task to be turned in Google classroom</p>
<p>Wednesday- 7 th period (girls) Thursday - 5 th period (boys)</p>	<p>Zoom class discussion of concepts of Mendel’s Work ,Analysis of pedigree chart& predict probabilities Revision Textbook Pages 62-65 https://www.youtube.com/watch?v=zo_lcwnrax4 https://www.youtube.com/watch?v=reVLRjZlh3c <u>Students able to</u> <u>Define, predict and explain the work of Mendel & key terms allele/gene, dominant or recessive / homozygous or heterozygous / genotype or phenotype.</u></p>
<p>Wednesday- 8 th period (girls) Thursday - 6 th period (boys)</p>	<p>Students to complete & turn in work done in zoom session in google classroom. <u>Students able to</u> <ul style="list-style-type: none"> ● Analyze pedigree chart ● Predict probabilities related to inheritance of traits ● Evaluate the work of Mendel, </p>

Year 11 D Biology

Week 9 (17th May to 21st May)

Work sent through Google classroom/G mail/Online Quiz

Topic SB6–Plant structure and their functions

L.O-To revise **concepts on** plant structure and their functions ,photosynthesis, transpiration ,translocation and plant hormones

Text Book and Board Exam Papers

Sunday – 5th &6th period (Girls)	Google classroom /Video conferencing–Revision of concepts based on the topic SB5 Resources: PowerPoint/Boardworks &Video link https://www.youtube.com/watch?v=O_a9BRQbVc0 Students able to <ul style="list-style-type: none">• Describe, explain and analyse plant structure and their functions, photosynthesis, transpiration ,translocation and plant hormones
Tuesday -8th period (Girls)	Asynchronous learning- Research work Synthetic auxins as a weedkiller called Agent Orange were used in the Vietnam War. Collect relevant details about this and interpret &evaluate the information collected and task to be turned in Google classroom
Wednesday-7th & 8th period (Girls)	Zoom class –Factors affecting Photosynthesis and transpiration Text book pages -126 to 129 Students watch video on core practical https://www.youtube.com/watch?v=Y473UGySx-Q Resources: PowerPoint/Boardworks &Video link Students able to Devise a plan , collect data and present information, analyse and interpret the data, Justify reliability and validity of data collected on scientific principles.