

YEAR 10 A-F – BIOLOGY

WEEK 8 (18th Oct to 22nd October)

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

Topic - SB3d,e & j-PROTEIN SYNTHESIS,GENETIC VARIANTS AND GENE MUTATION

L.O- Recall Stages of Protein Synthesis and Mutation

Sunday – 3rd Period (Boys) Sunday – 5th Period (Girls)	<u>ZOOM SESSION-REVIEW/RECAP</u> Discussion of worksheet on Protein Synthesis & Mutation & text book questions Resources: Protein Synthesis and Mutation worksheet & text book questions pg.58-61, 70-71 Students able to: <ul style="list-style-type: none">● Describe the stages of translation & transcription in detail, including key molecules DNA, mRNA. tRNA & rRNA● Differentiate gene and genome.● Evaluate the ethical issues related to HGP.● Explain the effect of sickle cell mutation & mutation in the coding & non coding region of DNA
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SB3f & g-MENDEL& ALLELES

L.O- Explain monohybrid inheritance using genetic diagrams, Punnett squares and Monohybrid cross, Homozygous and Heterozygous cross.

Monday-4th period (Boys) Tuesday -1st Period (Girls)	<u>ZOOM SESSION-</u> Students to watch the video link given below on https://www.youtube.com/watch?v=mvWy5IbUoHA https://www.youtube.com/watch?v=Xld3-Fr9oUU https://www.youtube.com/watch?v=agQpPPQ5IVQ Read Text book Page-63 and 65 Complete Qn 6,7 question- Pg 63 Complete Qn 7, S1 and E1question-Pg 65
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	<p>Resources: PowerPoint /Board work &Video link</p> <p>Students able to:</p> <ul style="list-style-type: none"> ●Recall the works of Mendel. ● Explain the role of alleles in developing genetic variations. ●Construct a punnett square and make simple conclusions about monohybrid crosses.
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Topic - SB3i-MULTIPLE& MISSING ALLELES

L.O- Describe the inheritance of the ABO blood groups with reference to co-dominance and multiple alleles.

<p>Tuesday -2nd Period (Girls)</p> <p>Thursday-1st Period(Boys)</p>	<p><u>ZOOM SESSION</u></p> <p>Students to watch the video link given below on https://www.youtube.com/watch?v=Bo1rllFcehM</p> <p>Read Text book Page-68-69</p> <p>Complete Qn 1-3& Exam style question</p> <p>Resources: PowerPoint /Board work &Video link</p> <p>Students able to:</p> <ul style="list-style-type: none"> ●Differentiate dominance, incomplete dominance & co-dominance .●Give few examples of dominance, incomplete dominance & co-dominance traits in organisms.
<p>Wednesday-4th period (Girls)</p> <p>Thursday-2nd Period (Boys)</p>	<p>GOOGLE CLASSROOM</p> <p>Students have to complete Text book Questions Page 63-qn-E1 and Exam Style & Page 65-qn 8 &S1 and turn in their work within the allotted time.</p>