

YEAR 10 A-F – BIOLOGY

WEEK 6 (4th Oct to 8th Oct)

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

SB3.21- HUMAN GENOME PROJECT(HGP)

L.O- Discuss the outcomes of the Human Genome Project and its potential applications within medicine

<p>Sunday – 3rd Period (Boys)</p> <p>Sunday – 5th Period (Girls)</p>	<p><u>ZOOM SESSION-</u></p> <p>Students to watch the video link given below on</p> <p>https://www.youtube.com/watch?v=scMk0SAF4vI</p> <p>https://www.youtube.com/watch?v=O5VZKVC57FY</p> <p>Read Text book Page-70-71</p> <p>Complete Qn 6,7-8 ,S1 and E1question</p> <p>Resources: PowerPoint /Board work &Video link</p> <p>Students able to:</p> <ul style="list-style-type: none">●Differentiate gene and genome. ●Define HGP●Identify the implications of sequencing the human genome (HGP).●Predict the future benefits of HGP.●Describe how did the attitude of the scientists involved in the HGP differ from those who worked on the structure of DNA.●Evaluate the ethical issues related to HGP.
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SB 3j-Gene Mutation

L.O- State that most genetic mutations have no effect on the phenotype, some mutations have a small effect on the phenotype.

<p>Monday-4th period (Boys)</p> <p>Tuesday -1st Period (Girls)</p>	<p><u>ZOOM SESSION:-</u></p> <p>Students to watch the video link given below on</p> <p>https://www.youtube.com/watch?v=mmR2R8XB-JU</p> <p>Read Text book Page-70-71</p> <p>Complete Qn 4-5 and Exam style question</p>
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	<p>Resources: PowerPoint /Board work &Video link</p> <p>Students able to:</p> <ul style="list-style-type: none"> ●Define Mutation ●Identify the cause of mutations ●Describe how gene mutations change the DNA sequence. ●Explain how mutation occurs in skin cells and causes skin cancer.
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Topic - SB3ci- DNA & SB3cii- DNA EXTRACTION

L.O- Recall DNA structure ,extraction & Profiling.

<p>Tuesday -2nd Period (Girls)</p> <p>Thursday-1st Period(Boys)</p>	<p><u>ZOOM SESSION</u></p> <p>Discussion of worksheet on DNA structure & text book questions on DNA extraction & DNA profiling</p> <p>Resources: DNA structure worksheet & text book questions pg.54-57</p> <p>Students able to:</p> <p style="padding-left: 40px;">Describe a DNA molecule as two strands coiled to form a double helix. Recall the isolation of DNA from tissues. Compare extraction of DNA from Strawberry & Peas. Significance of DNA Profiling</p>
<p>Wednesday-4th period (Girls)</p> <p>Thursday-2nd Period (Boys)</p>	<p>GOOGLE CLASSROOM</p> <p>Research topic-PHARMACOGENOMICS</p> <p>Students to complete the research work and turn in their work in Google Classroom.</p>