

## YEAR 10 A-F – BIOLOGY

WEEK 7 ( 11<sup>th</sup> Oct to 15<sup>th</sup> Oct)

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

<b>Sunday – 3rd Period (Boys) Wednesday-4th period (Girls)</b>	<b>Zoom Session: Assessment 1 via Google Forms (15 marks) Topics SB3ci DNA STRUCTURE &amp; SB3cii DNA EXTRACTION AND PROFILING</b>
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### SB3f-Mendel

**L.O-** Describe the work of Mendel in discovering the basis of genetics and recognize the difficulties of understanding inheritance before the mechanism was discovered

<b>Monday-4th period (Boys) Sunday – 5th Period (Girls)</b>	<p><b><u>. ZOOM SESSION</u></b></p> <p>Students must watch the video link given below on <a href="https://www.youtube.com/watch?v=SOgVM904cPc">https://www.youtube.com/watch?v=SOgVM904cPc</a> <a href="https://www.youtube.com/watch?v=n3cXcDEveRc">https://www.youtube.com/watch?v=n3cXcDEveRc</a></p> <p>Read Text book Page-62-63</p> <p>Complete Qn 1-5 and Extend question</p> <p><b>Resources:</b> PowerPoint /Board work &amp;Video link</p> <p><b>Students able to:</b></p> <ul style="list-style-type: none"><li>● Recall the works of Mendel.</li><li>● Explain the work of Mendel in discovering the basis of genetics.</li><li>● Evaluate the difficulties in understanding inheritance before the mechanism was discovered.</li></ul>
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### SB3G-ALLELES

**L.O-** Explain why there are differences in the inherited characteristics as a result of alleles. Explain the terms: dominant, recessive, homozygous, heterozygous, genotype, phenotype and zygote

<p><b>Tuesday -1<sup>st</sup> Period (Girls)</b></p> <p><b>Thursday-1st Period(Boys)</b></p>	<p><b><u>ZOOM SESSION</u></b></p> <p>Students must watch the video link given below on</p> <p><a href="https://www.youtube.com/watch?v=reVLRjZlh3c">https://www.youtube.com/watch?v=reVLRjZlh3c</a></p> <p><a href="https://www.youtube.com/watch?v=zNEtVaNQ0s8">https://www.youtube.com/watch?v=zNEtVaNQ0s8</a></p> <p>Read Text book Page-64 -65</p> <p>Complete Qn 1-5</p> <p><b>Resources:</b> PowerPoint /Board work &amp;Video link</p> <p><b>Students able to:</b></p> <ul style="list-style-type: none"> <li>● Define terms like alleles dominant, recessive, homozygous, heterozygous, phenotype, genotype &amp; zygote.</li> <li>● Represent alleles for a particular trait.</li> <li>● Explain the role of alleles in developing genetic variations.</li> <li>● Predict and extract information whether particular trait is dominant or recessive / homozygous or heterozygous / genotype or phenotype</li> </ul>
<p><b>Tuesday- 2<sup>nd</sup> Period (Girls)</b></p> <p><b>Thursday-2<sup>nd</sup> Period (Boys)</b></p>	<p><b>GOOGLE CLASSROOM</b></p> <p>Students to complete the <b>WORKSHEET ON MUTATION-SB 3j.4</b> . and turn in their work in Google Classroom.</p>