

# YEAR 10 A-F – BIOLOGY

WEEK 11 ( 8<sup>th</sup> Nov to 12<sup>th</sup> Nov)

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

## SB3h-INHERITANCE

L.O- Explain how sex-linked genetic disorders are inherited

<p>Sunday – 3rd Period (Boys)</p>	<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=3CtM4AaOxQQ">https://www.youtube.com/watch?v=3CtM4AaOxQQ</a></p> <p>Read Text book Page- 68-69</p> <p>Complete Qn 5-6&amp; Exam style 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>●<b>Describe</b> the dangers of a person suffering from haemophilia &amp; colour blindness.</li><li>●<b>Predict</b> the probability of getting a diseased child if mother is a carrier and the father is normal.</li><li>●<b>Draw</b> simple conclusions from the pedigree chart related to sex linked inheritance.</li><li>●<b>Analyse &amp; interpret</b> the pedigree chart related to sex linked disorders.</li></ul>
<p>Monday-4th period (Boys)</p> <p>Sunday – 5th Period (Girls)</p>	<p><b><u>ZOOM SESSION</u></b></p> <p>Discussion of Text book questions-Page 66- 69</p>

**SB3h & i- INHERITANCE, MISSING AND MULTIPLE ALLELES**

### SB4b- Natural Selection-Darwin's theory

**L.O-** Describe the work of Darwin and Wallace in the development of the theory of evolution by natural selection and explain the impact of these ideas on modern biology

<p><b>Tuesday -1<sup>st</sup> Period (Girls)</b> <b>Thursday-1<sup>st</sup> 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=7RraYCKvTXc">https://www.youtube.com/watch?v=7RraYCKvTXc</a></p> <p><a href="https://www.youtube.com/watch?v=2waYa0ZwoXg">https://www.youtube.com/watch?v=2waYa0ZwoXg</a></p> <p>Read Text book Page- 78-79</p> <p>Complete 1-5 questions</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 evolution.</li><li>● Identify <b>few</b> factors that contribute to evolution- variation , over-production , struggle for existence - survival of fittest,., advantageous characteristics inherited &amp; gradual change .</li><li>● Give <b>few</b> examples to prove the concept of evolution by natural selection.- Darwins finches &amp; Peppered moth</li><li>● <b>Describe</b> the contribution made by Darwin and Wallace for the theory of evolution. Compare the ideas of Darwin and Wallace related to evolution</li></ul>
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### SB4c-Development of Darwin's theory

**L.O-** Explain Darwin's theory of evolution by natural selection. Explain how the emergence of resistant organisms supports Darwin's theory of evolution including antibiotic resistance in bacteria

<p><b>Tuesday -2<sup>nd</sup> Period (Girls)</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=s64Y8sVYfFY">https://www.youtube.com/watch?v=s64Y8sVYfFY</a></p> <p><a href="https://www.youtube.com/watch?v=L8XYxNqEJql">https://www.youtube.com/watch?v=L8XYxNqEJql</a></p> <p>Read Text book Page- 80-81</p> <p>Complete qn7and Exam style question- page -79</p> <p>Qn8, E1 and Exam style question –Page 81</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 the term resistance.</li><li>● Predict how Warfarin resistance evolved in rats.</li><li>● <b>Explain</b> how the development of</li></ul>
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	resistance in organisms supports Darwin's theory. ● <b>Describe</b> the concept of evolution of MRSA bacteria. ● <b>Justify</b> why was Darwin's theory of evolution better than earlier theories.
<b>Wednesday-4th period (Girls)</b> <b>Thursday-2nd Period (Boys)</b>	<b>GOOGLE CLASSROOM</b> <b>Students to complete the Worksheet SB3h.5 and turn in their work in Google Classroom.</b>