

# Biology

## GRADE 10 BIOLOGY TERM PLAN

2019– 2020

### TERM THREE: APRIL 22- JUNE 26, 2020

		<b>THEORY</b>	<b>LABS/QUIZ/TESTS</b>
<b>APRIL</b>			
<b>April 22-24</b>	<b>WEEK 1 5 Sessions</b>	<b>DIGESTION</b> <ul style="list-style-type: none"><li>• Review of structure and function of the teeth</li><li>• Review of structure and function of the alimentary canal.</li></ul>	<b>Online Quiz- Digestion</b>
<b>April 27- May 1</b>	<b>WEEK 2 5 sessions</b>	<b>ENZYMES – 5 sessions</b> <ul style="list-style-type: none"><li>• What are enzymes?</li><li>• Properties of enzymes</li><li>• Lock and Key’ hypothesis</li><li>• Effect of pH, temperature and substrate concentration on enzymes</li></ul>	
<b>May 4-8</b>	<b>WEEK 3 5 sessions</b>	<b>RESPIRATION – 3 sessions</b> <ul style="list-style-type: none"><li>• Aerobic and Anaerobic respiration</li><li>• Define each term</li><li>• Equations for each term</li><li>• Explain what occurs in each situation</li></ul>	<b>Online Quiz- Enzymes</b>
<b>May 11-15</b>	<b>WEEK 4 5 Sessions</b>	<b>RESPIRATORY SYSTEM – 5 sessions</b>	

		<ul style="list-style-type: none"> <li>• Mechanism of breathing</li> <li>• Gaseous exchange</li> <li>• Effect of exercise on aerobic and anaerobic respiration</li> </ul> <p><b>MAN'S IMPACT ON ENVIRONMENT PRESENTATION</b> (Padlet presentation)</p> <ul style="list-style-type: none"> <li>• Pollution – land, air and water</li> <li>• Renewable and non-renewable resources</li> <li>• Recycling – conservation</li> <li>• Greenhouse effect</li> </ul>	
<p><b>May 18-22</b></p> <p><b>MIDTERM BREAK- (MAY 22-26, 2019)</b></p>	<p><b>WEEK 5</b> <b>5 sessions</b></p>	<p><b>RESPIRATION SYSTEM</b></p> <ul style="list-style-type: none"> <li>• Effects of cigarette smoking on the respiratory system</li> <li>• Diseases of the respiratory system</li> </ul>	
<p><b>May 26-29</b></p>	<p><b>WEEK 6</b> <b>5 Sessions</b></p>	<p><b>HOMEOSTASIS AND EXCRETION</b></p> <ul style="list-style-type: none"> <li>• Homeostasis and negative feedback</li> <li>• Importance of excretion in living things</li> </ul>	

		<ul style="list-style-type: none"> <li>• Examples of excretory products of plants and animals</li> </ul>	
<b>June 1-5</b>	<b>WEEK 7</b> <b>2-3 Sessions</b>	<b>HOMEOSTASIS AND EXCRETION</b> <ul style="list-style-type: none"> <li>• Explain how excretory products are eliminated from plants and animals</li> <li>• Structure and function of the kidney</li> <li>• Osmoregulation</li> </ul>	
<b>June 8-12</b>	<b>WEEK 8</b>	<b>HOMEOSTASIS AND EXCRETION</b> <ul style="list-style-type: none"> <li>• Adaptations in plants</li> <li>• Skin- temperature regulation</li> </ul>	
<b>June 15- 19</b>	<b>WEEK 9</b>	<ul style="list-style-type: none"> <li>• <b>END OF YEAR EXAMINATIONS</b></li> </ul>	
<b>June 22-26</b>	<b>WEEK 10</b>	<ul style="list-style-type: none"> <li>• <b>END OF YEAR EXAMINATIONS</b></li> </ul>	