

UNIT TITLE	CORE TOPICS (Key Concepts & Real World Contexts)	UNIT BENCHMARKS	SUGGESTED ASSESSMENT	POSSIBLE RESOURCES
<b>EXPLORING DIVERSITY (BACTERIA, PROTISTA, AND FUNGI)</b>	<ul style="list-style-type: none"> <li>▪ Identify the characteristics used to classify kingdoms</li> <li>▪ Differentiate bacteria from archaeobacteria</li> <li>▪ History and adaptations of bacteria and their economic importance</li> <li>▪ Identify the characteristics of the kingdom protista, and compare and contrast the four groups of protista</li> <li>▪ Analyze the concept of alternation of sporophyte and gametophyte generations</li> <li>▪ Identify the characteristics of the kingdom fungi</li> <li>▪ Describe the life cycle of an organism associated with a human disease</li> <li>▪ Explain the importance of fungi as decomposed and in the flow of energy in food chains</li> </ul>	<p><b>III.2.HS.1</b></p> <p><b>III.2.HS.2</b></p> <p><b>III.2.HS.2</b></p> <p><b>III.4.HS.1</b></p> <p><b>III.3.HS.1</b></p> <p><b>III.2.HS.2</b></p> <p><b>III.5.HS.2</b></p>		
<b>EXPLORING DIVERSITY (PLANTS)</b>	<ul style="list-style-type: none"> <li>▪ Relate the adaptive value of plant characteristics to the demands of living on land</li> <li>▪ Compare the gymnosperm life cycle with that of seedless vascular plants and angiosperms</li> <li>▪ Identify the structures of root stems and leaves and describe their functions</li> <li>▪ Identify the structure of a flower and recognize the adaptive advantages of insect pollination</li> <li>▪ Explain the process of seed and fruit formation, germination, and seed dispersal</li> </ul>	<p><b>III.4.HS.2</b></p> <p><b>III.1.HS.1</b> <b>III.3.HS.2</b></p> <p><b>III.1.HS.2</b></p> <p><b>III.3.HS.1</b></p> <p><b>III.3.HS.2</b></p>		

# Biology II

# Eleventh Grade

UNIT TITLE	CORE TOPICS (Key Concepts & Real World Contexts)	UNIT BENCHMARKS	SUGGESTED ASSESSMENT	POSSIBLE RESOURCES
<b>EXPLORING DIVERSITY (ANIMALS)</b>	<ul style="list-style-type: none"> <li>▪ Compare the characteristics of animals, including body plans and development.</li> <li>▪ Relate the sessile life and structure of sponges to their reproductive and food gathering adaptations</li> <li>▪ Distinguish the adaptive structures of parasitic flatworms and roundworms and their effect on humans</li> <li>▪ Compare the adaptations of mollusks, segmental worms, arthropods, and enchinoderms</li> <li>▪ Compare the development pattern in protostomes with that of deuterostomes</li> <li>▪ Relate the structural adaptations of fish, amphibians, reptiles, birds, and mammals.</li> </ul>	<p><b>III.1.HS.1</b></p> <p><b>III.5.HS.1</b></p> <p><b>III.5.HS.1</b></p> <p><b>III.1.HS.1</b></p> <p><b>III.5.HS.1</b></p>		
<b>ANATOMY AND PHYSIOLOGY</b>	<ul style="list-style-type: none"> <li>▪ Summarize the structure and function of skeleton, muscles, nerves, digestive, reproductive, endocrine, immune, and integumentary systems.</li> <li>▪ Summarize the role of the six classes of nutrients in body nutrition, calories, and metabolism.</li> <li>▪ Identify the parts of the human reproductive systems and summarize the events during pregnancy and birth.</li> <li>▪ Explain how nerve impulses travel and how addictive drugs affect the nervous system.</li> <li>▪ Describe the steps of Koch's postulates and how infections are transmitted.</li> <li>▪ Explain the various types of nonspecific defense mechanisms.</li> </ul>	<p><b>III.2.HS.4</b> <b>I.1.HS.1</b></p> <p><b>III.2.HS.3</b></p> <p><b>III.3.HS.1</b></p> <p><b>III.1.HS.2</b></p> <p><b>III.2.HS.2</b></p> <p><b>III.2.HS.4</b></p>		