

**Advanced Biology – Grades 11 -12
District 2853**

Month	Content	Performance Standards Addressed	Skills for Student Achievement	Assessment
September	· Biosphere/Body Organization	COVER THE STANDARDS IN GENERAL BIOLOGY	· The students will review biosphere organization · Cell functions will be discussed at length	
October	· Body Tissues	COVER THE STANDARDS IN GENERAL BIOLOGY	· Differentiate between types of tissues in the body · The students will analyze the cellular and environmental basis of cancers	
October, November, December	· Cell Transport · Cell Respiration · Mammal Development Classification Anatomical	COVER THE STANDARDS IN GENERAL BIOLOGY	· Students will describe the molecular basis of transport of materials into and out of a cell · The students will differentiate the 2 types of respiration · The students will utilize their existing knowledge · The students will be able to classify mammals through distinct features (morphology) · The student will summarize in a flow chart embryological and human stage development · Students will identify an unknown mammal through classification and adaptations	
February and March	· Nervous System Stimulus Reactions	COVER THE STANDARDS IN GENERAL BIOLOGY	· Identify steps in a response to a stimuli · Know what stimuli do · Know the physical steps/nervous system relationship of the reaction to a stimulus	
April	· Reaction Forms Stimulus · Body Movement	COVER THE STANDARDS IN GENERAL BIOLOGY	· Students will know the mechanics and functions of muscle/nervous system · Identify major muscle types, functions, placement	
May	· Environmental Interaction P Systems	COVER THE STANDARDS IN GENERAL BIOLOGY	· Students will be able to identify factors that cause a species to migrate or adapt · Spring vs. Fall – Critical day length · The learner will be able to discriminate the health of their common environment · The student will identify P	