	BIO I (9t	h Grade)	
Click HERE for standards (coming soon)	•	,	
Curriculum Resource - TPT It's Not Rocket Scie	nce - Biology (General and Honors Courses)		
Textbook: Experience Biology by Miller & Levine	(Oklahoma), Savvas Learning Company		
1st quarter	2nd quarter	3rd quarter	4th quarter
Unit 1 - Ecology		Unit 2 continued.	Unit 5 - Heredity
Big Picture		Big Picture	Big Picture
-Introduction to Ecology		-Photosynthesis	-Mendelian Genetics
-Biogeochemical Cycles		-Cellular Respiration	-Complex Inheritance Patterns
-Population Ecology			-Mutations and Pedigrees
-Human Impact		Unit Project: Problem-Based Learning	-Genetic Engineering
-Succession		-Cellular Respiration in the Real World	
-Relationships			Essential Question
			How is genetic information expressed in
Essential Question			order to make us who we are?
How do the living and nonliving parts of an			
ecosystem relate to each other?		Unit 3 - Cells	Unit Project: Problem-Based Learning
			-Genetic Disorder Research
Unit Projects: Problem-Based Learning	Unit 2 - Energy Flow	Big Picture	
-Ecosystem in a Bottle		-Cell Theory and Organelles	
-Human Impact	Big Picture	-Cell Transport	
	-Enzymes and ATP	-Cell Cycle and Cancer	
	-Energy Flow through Ecosystems		
		Essential Question	
	Essential Question	How do the components within a cell work	
	How do living organisms obtain and use	together to maintain homeostasis from an	
	energy from a cellular level to an ecosystem	organismal level all the way down to a	
	level?	celluar level?	
			Unit 6 - Biological Unity an Diversity
		Unit Projects: Problem-Based Learning	
		-Cell Organelle	Big Picture
		-A Look into Bioethics	-Natural Selection
			-Patterns of Evolution
			-Evidence of Evolution
			-Phylogeny
		Unit 4 - Genetics	
			Essential Question
		Big Picture	How do populations change over time to
		-DNA Structure and Replication	survive in different environmental condtion
		-Protein Synthesis	
	MidTerm	-Meiosis	Final
	Choose 1 of the following labs to complete.		
	-Biogas Farming	Essential Question	
	-Plan an Urban Tree Planting	Why is genetic information significant for	
	-Wetland Restoration	organisms & their potential future offspring?	

Updated 1/2022