

Science: College Biology

UNIT/Weeks	Timeline/Topics	Essential Questions
13	<p><u>Unit I: Cell Specialization and Homeostasis</u></p> <ul style="list-style-type: none"> • Cell Specialization • Homeostasis 	<ul style="list-style-type: none"> • How do the structures of organisms enable life's functions?
10	<p><u>Unit II: DNA and Inheritance</u></p> <ul style="list-style-type: none"> • DNA • Inheritance 	<ul style="list-style-type: none"> • How are characteristics from one generation related to the previous generation?
3	<p><u>Unit 3: Evolution</u></p> <ul style="list-style-type: none"> • Evolution 	<ul style="list-style-type: none"> • What evidence shows that different species are related?
2	<p><u>Unit IV: Natural Selection</u></p> <ul style="list-style-type: none"> • Natural Selection 	<ul style="list-style-type: none"> • How can there be so many similarities among organisms yet so many different plants, animals, and microorganisms?
2	<p><u>Unit V: Matter and Energy Transformations in Ecosystems</u></p> <ul style="list-style-type: none"> • Matter and Energy Transformations in Ecosystems 	<ul style="list-style-type: none"> • How do matter and energy cycle through ecosystems?
2	<p><u>Unit VI: Interdependent Relationships</u></p> <ul style="list-style-type: none"> • Interdependent Relationships 	<ul style="list-style-type: none"> • How do organisms interact with the living and nonliving environments to obtain matter and energy?
2	<p><u>Unit VII: Human Activity and Biodiversity</u></p> <ul style="list-style-type: none"> • Human Activity • Biodiversity 	<ul style="list-style-type: none"> • Would we treat our resources and life support system, if we were on a rocket headed for Mars, as we do in our community right now?
2	<p><u>Unit VIII: Human Activity and Climate</u></p> <ul style="list-style-type: none"> • Human Activities • Climate 	<ul style="list-style-type: none"> • How do humans depend on Earth's resources? • How and why do humans interact with their environment and what are the effects of these interactions?