

UNIT 6

Grade	10
Unit of Study	Evolution
Length of Unit	3-4 weeks
Sample Essential Questions	Sample Corresponding Big Ideas
How do new traits arise in populations?	Mutations contribute the genetic variation necessary for evolution to occur.
What processes cause certain traits to become more common over time?	Natural Selection causes certain traits to become more common over time.
What evidence supports the theory of evolution?	Several categories of evidence: fossil record, anatomy, embryology, and biochemistry support the theory of evolution.

Missouri Learning Standards	
<u>Biology Power Standards</u>	Supporting Standards
Power Standard 3: I can understand that biological evolution is a genetic variation sorted by natural selection.	<i>LS4.A.1, LS4.B.1, & LS4.C.1</i>

Unit 6 Sequence			
MLS	Topic(s)	Learning Targets	Academic Vocabulary
<i>LS4.A.1</i>	Evidence of Evolution	I can explain what evidence supports the theory of evolution.	Theory Evolution Homologous Trait Analogous Trait Vestigial Structure Embryology Embryo Biogeography

<i>LS4.B.1</i>	Factors Leading to Evolution	I can explain how four factors cause a population to undergo evolution.	Genetic Variation Population Resource
<i>LS4.C.1</i>	Evolution	I can explain how different environments lead to natural selection causing increases or decreases of alleles or specific traits in populations over time.	Gene Frequency Biotic Abiotic

MLS	Learning Activities	
<i>LS4.C.1</i>	Peppered Moth Simulation	Must Do ▾
<i>LS4.C.1</i>	Breeding Bunnies	Must Do ▾
<i>LS4.B.1</i>	Battle of the Beaks	Must Do ▾
<i>LS4.A.1</i>	Evidence for Evolution	Must Do ▾
<i>LS4.B.1</i>	Bearded Dragon Case Study	Must Do ▾

Assessments		
MLS	Description or Location	Rubric/Location
<i>LS4.A.1</i> <i>LS4.B.1</i> <i>LS4.C.1</i>	Unit 6 Test	Pear Assessment
<i>LS4.B.1</i> <i>LS4.C.1</i>	Crab CER	Paper

Additional Resources
Quizizz.com , Blooket.com , Quizlet.com , Openstax.org