

Edmore Public School
706 Main St, Edmore, ND 58330

Life Science Lesson Plan

Dates:

March 18 - 22, 2024

Time and Period:

12:42 - 1:34 PM, Fifth Period

Performance Standard:

MS-LS4-4

Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment.

MS-LS4-5

Gather and synthesize information about the technologies that have changed the way humans influence the inheritance of desired traits in organisms.

MS-LS4-6

Use mathematical representations to support explanations of how natural selection may lead to increases and decreases of specific traits in populations over time.

Monday, March 18

Topic	Analyzing Speciation of Salamanders, pp. 117 - 119
Objectives	Construct an explanation about how speciation may have occurred from a single ancestral species.
Bell Ringer	Define <i>Speciation</i> and use it in a sentence.
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Analyzing Speciation of Salamanders, pp. 117 - 119

Tuesday, March 19

Topic	Artificial Selection, pp. 140 - 145
Objectives	Explore how artificial selection can result in offspring with desired traits.
Bell Ringer	Define <i>Artificial Selection</i>
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity

Assessment	Artificial Selection, pp. 140 - 145
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Wednesday, March 20	
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Topic	Review Quiz Modelling the Genetic Basis for Artificial Selection, pp. 147 - 149
Objectives	Examine the biological components that make artificial selection possible.
Bell Ringer	Define <i>alleles and draw it on your answer sheet.</i>
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Review Quiz Modelling the Genetic Basis for Artificial Selection, pp. 147 - 149

Thursday, March 21	
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Topic	Unit Test Analyzing Extinction Rates through Time, pp. 121
Objectives	Analyze design solutions to maintain wildlife corridors for threatened species.
Bell Ringer	Give two events that happened during the Great Dying .
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Unit Test Analyzing Extinction Rates through Time, pp. 121

Friday, March 22	
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Topic	Applying Artificial Selection to Solve Problems, pp. 150 - 152
Objectives	Determine the best solution to the problem of saving coral reefs.
Bell Ringer	Define <i>Biotechnology</i>
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Applying Artificial Selection to Solve Problems, pp. 150 - 152