

**Edmore Public School**  
**706 Main St, Edmore, ND 58330**

**Biology Lesson Plan**

**Dates:**

February 12 - 14, 2024

**Time and Period:**

2:32 - 3:25 PM, Seventh Period

**Performance Standard:**

**HS-LS2-1**

Use mathematical and/or computational models to support explanations of factors that affect carrying capacity of ecosystems at different scales.

**HS-LS2-2**

Use evidence from mathematical representations to explain factors that affect population dynamics and biodiversity.

**HS-LS2-3**

Construct and revise an explanation based on evidence for the cycling of matter and flow of energy in aerobic and anaerobic conditions.

**HS-LS2-4**

Use mathematical representations to support claims for the cycling of matter and flow of energy among organisms in an ecosystem.

**HS-LS2-6**

Evaluate the claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions but changing conditions may result in a new ecosystem.

**Monday, February 12**

<b>Topic</b>	Human Population Growth and Natural Resources, pp. 472 - 475
<b>Objectives</b>	Explain how human population affects the environment
<b>Bell Ringer</b>	Define <i>Ecological Footprint</i>
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Human Population Growth and Natural Resources, pp. 472 - 475

**Tuesday, February 13**

<b>Topic</b>	Interpreting Data for Survivorship Curves, pp. 430 and 431 <b>UNIT TEST</b>
<b>Objectives</b>	Analyze a visual representation of how many individuals in a population are alive at different ages of life.
<b>Bell Ringer</b>	What are three types of survivorship curves?
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Interpreting Data for Survivorship Curves, pp. 430 and 431

**Wednesday, February 14**

<b>Topic</b>	Population Growth Patterns, pp. 432 - 434
<b>Objectives</b>	Predict the effects of changing environmental factors on the patterns of population growth.
<b>Bell Ringer</b>	Define <i>Population Crash</i>
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Population Growth Patterns, pp. 432 - 434 Preparation for Unit Project

**Thursday, February 15**

**NO SCHOOL**

**Friday, February 16**

**NO SCHOOL**

