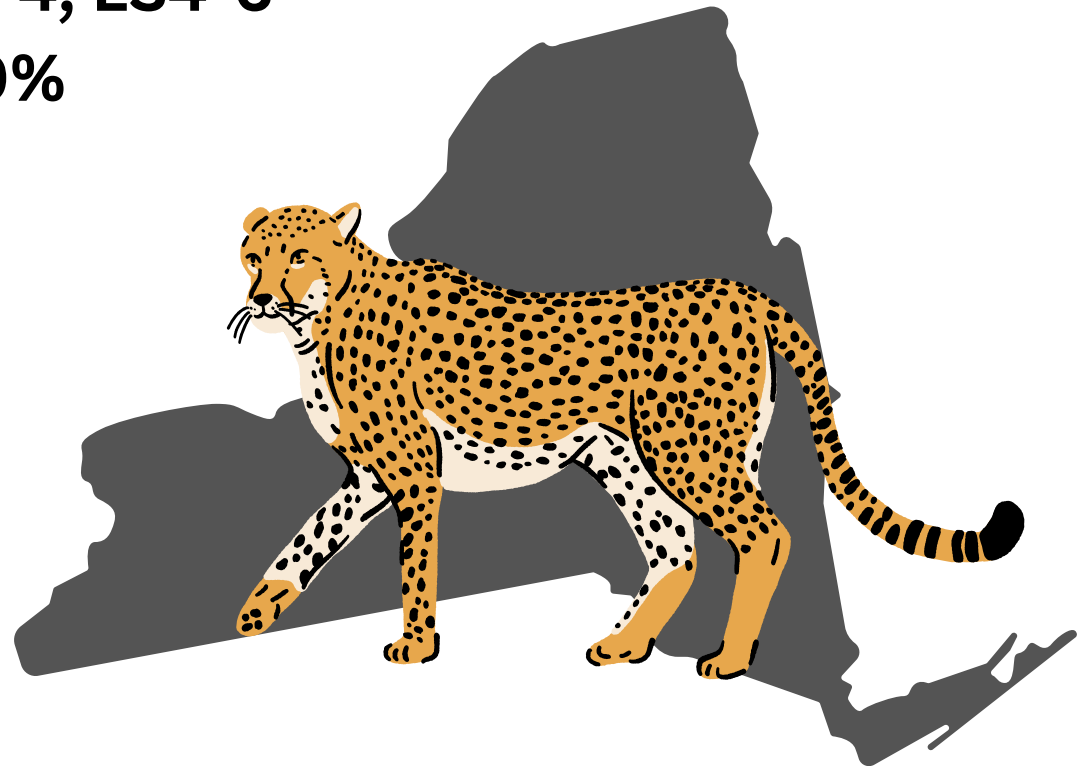


New York State P-12 Science Learning Standards (NYSSLS)

MS. Natural Selection and Adaptations

- ✓ Complete Standard for New York Middle School - Natural Selection and Adaptations Standard
- ✓ MS-LS4-1, LS4-2, LS4-3, LS4-4, LS4-6
- ✓ The Bundle will SAVE you 70%



UPGRADE to the Bundle



This Bundle:

- Get immediate access to my **COMPLETE** New York State Middle School Curriculum
- Every standard covered at a **HUGE DISCOUNT**

New York Middle School Science Curriculum

New York State P-12 Science Learning Standards (NYSSLS)

- ✓ Standards are directly aligned to New York State Middle School Science Standards according to the New York State Education Department
- ✓ The Bundle will SAVE you 80%



Click here to have a look

Resources Included

MS-LS4-1

- Fossils and Geologic Time Lesson
- Fossils Reading
- Evidence of Evolution in Fossils - Station Activity
- Fossils and Geologic Time Lab Station Activity

MS-LS4-2

- Evolution Lesson
- Fossils Reading
- Common Ancestry - Station Activity
- Evolution - Scavenger Hunt
- Crash Course Video Worksheet - The Timeline of Life



MS-LS4-3

- Comparing Embryos Evidence of Common Ancestry and Evolution Lesson
- Comparative Embryology - Station Activity
- Crash Course Video Worksheet Human Evolution and Chimps

Resources Included

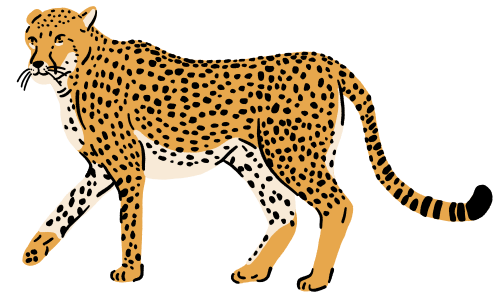
MS-LS4-4

- Physical & Behavioral Adaptations Lesson
- Natural Selection Lesson
- Natural Selection and Adaptation - Station Activity
- Physical Adaptations Reading
- Animal Adaptations Reading
- Crash Course Video Worksheet Population Genetics



MS-LS4-6

- Physical & Behavioral Adaptations Lesson
- Natural Selection and Population Modeling - Station Activity
- Physical Adaptations Reading
- Natural Selection Lesson
- Animal Adaptations Reading
- Crash Course Video Worksheet - Life's Way of Stayin Alive



Bundles Included

NGSS MS-LS4-1

Curriculum Bundle

Fossil Record & Evidence of Evolution

- ✓ 1 Lesson and 3 Activities
- ✓ Everything You Need to Teach NGSS MS-LS4-1



NGSS MS-LS4-2

Curriculum Bundle

Evolution Evidence from Anatomy

- ✓ 1 Lesson and 4 Activities
- ✓ Everything You Need to Teach NGSS MS-LS4-2

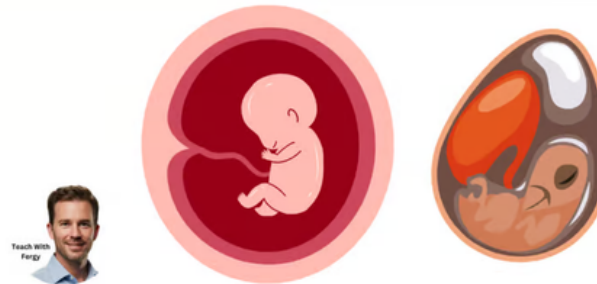


NGSS MS-LS4-3

Curriculum Bundle

Embryo Development & Evolution

- ✓ 1 Lesson and 2 Activities
- ✓ Everything You Need to Teach NGSS MS-LS4-3



NGSS MS-LS4-4

Curriculum Bundle

Natural Selection & Adaptation

- ✓ 2 Lessons and 4 Activities
- ✓ Everything You Need to Teach NGSS MS-LS4-4



NGSS MS-LS4-6

Curriculum Bundle

Natural Selection & Population Traits Over Time

- ✓ 2 Lessons and 4 Activities
- ✓ Everything You Need to Teach NGSS MS-LS4-6



Everything You Need to Teach Middle School Natural Selection and Adaptations in New York State using NYSSLS

Complete Lessons

Comparing Embryos - Evidence of Common Ancestry and Evolution
6th, 7th, 8th Grade Lesson

- ✓ Comprehensive Content Overview – Covers Thermal Energy, Temperature, Particle Motion, and Heat Transfer.
- ✓ Student-Friendly Format – Clear visuals and comparisons support understanding of complex concepts.



TWFL MIDDLE SCHOOL LESSON

Evolution

- What is Evolution?
- Example of Evolution
- Evidence for Evolution – Body Structures
- Evidence for Evolution – Fossil Record
- Evidence for Evolution – Embryological Development
- Evidence for Evolution – Vestigial Traits
- Evidence for Evolution – DNA



TWFL MIDDLE SCHOOL LESSON

Natural Selection

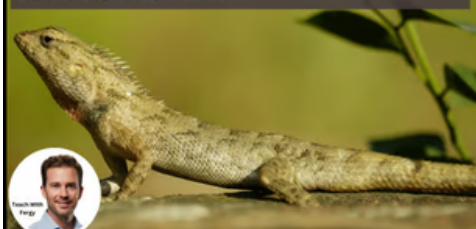
- Natural Selection
- Biodiversity
- Adaptation – Physical and Behavioral
- Human Influence



TWFL MIDDLE SCHOOL LESSON

Physical and Behavioral Adaptations Lesson
6th, 7th, 8th Grade

- ✓ Comprehensive Content Overview – Includes evolution refresher, physical and behavioral adaptations, and inquiry-based learning
- ✓ Student-Friendly Format – Clear visuals and comparisons support understanding of complex concepts.



TWFL MIDDLE SCHOOL LESSON

Engaging Activities

Fossils
Scientific Reading Comprehension Article and Extension Activity



Improve your students' **Literacy and Analysis Skills**, use as an **Emergency Substitute Plan**, or create **Applicability** in your classroom

Comparative Embryology
NGSS-MS-LS4-3 Station Activity



TWFL

Natural Selection and Population Modeling
NGSS-MS-LS4-6 Station Activity



TWFL

Reading Comprehension Passage & Questions
Physical Adaptations
6th, 7th, and 8th Grade Science

- ✓ No Prep, Ready-to-Use Resource in Google and Office Format
- ✓ Includes Comprehension and Extension Questions



TWFL

The Standard is Explained and the Resources it Incorporates are Outlined

MS. Natural Selection and Adaptations – New York State – Middle School

MS LS4-1: Analyze and interpret data for patterns in the fossil record that document the existence, diversity, extinction, and change of life forms throughout the history of life on Earth under the assumption that natural laws operate today as in the past.

Emphasis is on finding patterns of changes in the level of complexity of anatomical structures in organisms and the chronological order of fossil appearance in the rock layers. *Assessment Boundary:* Assessment does not include the names of individual species or geological eras in the fossil record.

Resources:

- Fossils and Geologic Time Lesson
- Fossils Reading
- Evidence of Evolution in Fossils - Station Activity
- Fossils and Geologic Time Lab Station Activity

MS LS4-2: Apply scientific ideas to construct an explanation for the anatomical similarities and differences among modern organisms and between modern and fossil organisms to infer evolutionary relationships.

Emphasis is on explanations of the evolutionary relationships among differences of the gross appearance of anatomical structures.

Resources:

- Evolution Lesson
- Fossils Reading
- Common Ancestry - Station Activity
- Evolution - Scavenger Hunt
- Crash Course Video Worksheet - The Timeline of Life

MS LS4-3: Analyze displays of pictorial data to compare patterns of development across multiple species to identify relationships not evident from anatomy.

Emphasis is on inferring general patterns of relatedness among embryos by comparing the macroscopic appearance of diagrams or pictures. *Assessment Boundary:* Assessment is limited to gross appearance of anatomical structures.

Resources:

- Comparing Embryos Evidence of Common Ancestry and Evolution
- Comparative Embryology - Station Activity
- Crash Course Video Worksheet Human Evolution and Chimps

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.

Emphasis is on using simple probability statements and proportional reasoning to construct explanations.

Resources:

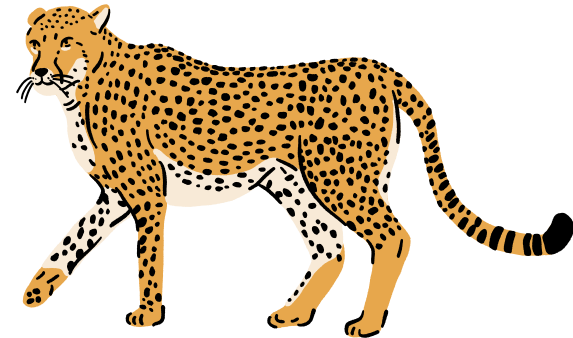
- Physical & Behavioral Adaptations Lesson
- Natural Selection Lesson
- Natural Selection and Adaptation - Station Activity
- Physical Adaptations Reading
- Animal Adaptations Reading
- Crash Course Video Worksheet Population Genetics

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.

Emphasis is on using mathematical models, probability statements, and proportional reasoning to support explanations of trends in changes to populations over time. *Assessment Boundary:* Assessment does not include Hardy Weinberg calculations.

Resources:

- Physical & Behavioral Adaptations Lesson
- Natural Selection and Population Modeling - Station Activity
- Physical Adaptations Reading
- Natural Selection Lesson
- Animal Adaptations Reading
- Crash Course Video Worksheet - Life's Way of Stayin Alive



Who is this Bundle for?

- Teachers who teach middle school science in **New York State** and use the **NYSSLS** NGSS
- Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard
- Teachers who don't have time to develop their own resources or organize what to teach and when

