

The Human Journey

ELC-5050

NGSS STANDARDS

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.

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.

MS-LS4-4

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

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.

MS-LS4-1

Communicate scientific information that common ancestry and biological evolution are supported by multiple lines of empirical evidence.

HS-LS4-2

Construct an explanation based on evidence that the process of evolution primarily results from four factors:

- The potential for a species to increase in number
- The heritable genetic variation of individuals in a species due to mutation and sexual reproduction
- Competition for limited resources, and
- The proliferation of those organisms that are better able to survive and reproduce in the environment.

Social Studies

WHST.9-10.2

Write informative/explanatory texts, including the narration of historical events, scientific procedures/experiments, or technical processes.

WHST.11-12.2

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WHST.9-10.9

Draw evidence from informational texts to support analysis, reflection, and research.

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Science

RST.6-8.1

Cite specific textual evidence to support analysis of science and technical texts.

RST.6-8.7

Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually.

RST.6-8.9

Compare and contrast the information gained from experiments, simulations, video or multimedia sources with that gained from reading a text on the same topic.

Language

RI.5.7

Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.

SL.5.5

Include multimedia components and visual displays in presentations when appropriate to enhance the development of main ideas or themes.

SL.8.5

Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.

RI.6.8

Trace and evaluate the argument and specific claims in a text, distinguishing claims that are supported by reasons and evidence from claims that are not.

Common Core Standards

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Social Studies

WHST.6-8.1

Write arguments focused on discipline-specific content.

Math

6.EE.C.9

Use variables to represent two quantities in a real-world problem that change in relationship to one another.