

DCI: Earth and Human Activity

5.ESS3.C: Human Impacts on Earth Systems

Human activities in agriculture, industry, and everyday life have had major effects on the land, vegetation, streams, ocean, air, and even outer space. But individuals and communities are doing things to help protect Earth's resources and environments. (5-ESS3-1)

Performance Expectation

5-ESS3-1: Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.

Clarification Statement: none

Assessment Boundary: none

Science and Engineering Practice

Obtaining, Evaluating, and Communicating Information

Obtaining, evaluating, and communicating information in 3–5 builds on K–2 experiences and progresses to evaluating the merit and accuracy of ideas and methods.

Obtain and combine information from books and/or other reliable media to explain phenomena or solutions to a design problem. (5-ESS3-1)

Crosscutting Concept

Systems and System Models

A system can be described in terms of its components and their interactions. (5-ESS3-1)

Connection to Nature of Science

Science Addresses Questions About the Natural and Material World

Science findings are limited to questions that can be answered with empirical evidence. (5-ESS3-1)

Common Core State Standards for ELA/Literacy

Reading Informational Text

RI.5.1 - Key Ideas and Details

Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text. (5-ESS3-1)

Common Core State Standards for ELA/Literacy

Reading Informational Text

RI.5.7 - Integration of Knowledge and Ideas

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. (5-ESS3-1)

Common Core State Standards for ELA/Literacy

Reading Informational Text

RI.5.9 - Integration of Knowledge and Ideas

Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably. (5-ESS3-1)

Common Core State Standards for ELA/Literacy

Card Type name

W.5.8 - Research to Build and Present Knowledge

Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources. (5-ESS3-1)

Common Core State Standards for ELA/Literacy

Card Type name

W.5.9 - Research to Build and Present Knowledge

Draw evidence from literary or informational texts to support analysis, reflection, and research. (5-ESS3-1)

Common Core State Standards for Mathematics

Mathematical Practices

MP.2 - Reason abstractly and quantitatively

CCSS text (5-ESS3-1)

Common Core State Standards for Mathematics

Mathematical Practices

MP.4 - Model with mathematics

CCSS text (5-ESS3-1)