DCI: Earth's Place in the Universe

2.ESS1.C: The History of Planet Earth

Some events happen very quickly; others occur very slowly, over a time period much longer than one can observe. (2-ESS1-1)

Performance Expectation

2.ESS1-1: Use information from several sources to provide evidence that Earth events can occur quickly or slowly.

Clarification Statement: Examples of events and timescales could include volcanic explosions and earthquakes, which happen quickly and erosion of rocks, which occurs slowly.

Assessment Boundary: Assessment does not include quantitative measurements of timescales.

Science and Engineering Practice

Constructing Explanations and Designing Solutions

Constructing explanations and designing solutions in K–2 builds on prior experiences and progresses to the use of evidence and ideas in constructing evidence-based accounts of natural phenomenon and designing solutions.

Make observations from several sources to construct an evidence-based account for natural phenomena. (2-ESS1-1)
Crosscutting Concept

**Stability and Change**

Things may change slowly or rapidly. (2-ESS1-1)

Common Core State Standards for ELA/Literacy

**Reading Informational Text**

**RI.2.1 - Key Ideas and Details**

Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text. (2-ESS1-1)

Common Core State Standards for ELA/Literacy

**Reading Informational Text**

**RI.2.3 - Key Ideas and Details**

Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text. (2-ESS1-1)
Common Core State Standards for ELA/Literacy

**Speaking & Listening**

**SL.2.2 - Comprehension and Collaboration**

Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. (2-ESS1-1)

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**Common Core State Standards for ELA/Literacy**

**Card Type name**

**W.2.6 - Production and Distribution of Writing**

With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers. (2-ESS1-1)

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**Common Core State Standards for ELA/Literacy**

**Card Type name**

**W.2.7 - Research to Build and Present Knowledge**

Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). (2-ESS1-1)
Card Type name
W.2.8 - Research to Build and Present Knowledge
Recall information from experiences or gather information from provided sources to answer a question. (2-ESS1-1)

Common Core State Standards for Mathematics
Number & Operations in Base Ten
2.NBT.A - Understand place value.
Understand place value. (2-ESS1-1)

Common Core State Standards for Mathematics
Mathematical Practices
MP.2 - Reason abstractly and quantitatively
CCSS text (2-ESS1-1)
Common Core State Standards for Mathematics

Mathematical Practices

MP.4 - Model with mathematics

CCSS text (2-ESS1-1)