

DCI: Earth's Systems

2.ESS2.A: Earth Materials and Systems
Wind and water can change the shape of the land. (2-ESS2-1)

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2.ESS2.B: Plate Tectonics and Large-Scale System Interactions
Maps show where things are located. One can map the shapes and kinds of land and water in any area. (2-ESS2-2)

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2.ESS2.C: The Roles of Water in Earth's Surface Processes
Water is found in the ocean, rivers, lakes, and ponds. Water exists as solid ice and in liquid form. (2-ESS2-3)

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2.ETS1.C: Optimizing the Design Solution
Because there is always more than one possible solution to a problem, it is useful to compare and test designs. (2-ESS2-1)

Science and Engineering Practice

Developing and Using Models

Modeling in K–2 builds on prior experiences and progresses to include using and developing models (i.e., diagram, drawing, physical replica, diorama, dramatization, or storyboard) that represent concrete events or design solutions. **Develop a model to represent patterns in the natural world.** (2-ESS2-2)

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. **Compare multiple solutions to a problem.** (2-ESS2-1)

Science and Engineering Practice

Obtaining, Evaluating, and Communicating Information

Obtaining, evaluating, and communicating information in K–2 builds on prior experiences and uses observations and texts to communicate new information. **Obtain information using various texts, text features (e.g., headings, tables of contents, glossaries, electronic menus, icons), and other media that will be useful in answering a scientific question.** (2-ESS2-3)

Crosscutting Concept

Patterns

Patterns in the natural world can be observed. (2-ESS2-2), (2-ESS2-3)

Crosscutting Concept

Stability and Change

Things may change slowly or rapidly. (2-ESS2-1)