



National Standards Alignment for 79812 Shrinking Shore Exploration

Next Generation Science Standards

Earth's Systems

2-ESS2-1 Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.

2-ESS2-2 Develop a model to represent the shapes and kinds of land and bodies of water in an area.

Engineering Design

K-2-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

K-2-ETS1-2 Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

K-2-ETS1-3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

Science and Engineering Practices

Practice 1: Asking Questions and Defining Problems

Practice 2: Developing and Using Models

Practice 4: Analyzing and Interpreting Data

Practice 6: Constructing Explanations and Designing Solutions

CCSS Mathematics

Measurement & Data

2.MD.A.1 Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.

2.MD.D.9 Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object.

2.MD.D.10 Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.

Geometry

2.G.A.1 Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.

Standards for Mathematical Practice

MP1 Make sense of problems and persevere in solving them.

MP5 Use appropriate tools strategically.

MP6 Attend to precision.

CCSS English Language Arts

Writing

W.2.8 Recall information from experiences or gather information from provided sources to answer a question.

Speaking & Listening

SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.

SL.2.1b Build on others' talk in conversations by linking their comments to the remarks of others.

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