



National Standards Alignment for 79632 Muddy Mats Exploration

Next Generation Science Standards

2-PS1 Matter and Its Interactions

2-PS1-2 Analyze data obtained from testing different materials to determine which materials have properties that are best suited for an intended purpose.

K-2-ETS1 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

Practice 7: Engaging in Argument from Evidence

CCSS Mathematics

2.NBT.A.2 Count within 1000; skip-count by 5s, 10s, and 100s.

2.NBT.A.3 Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.

2.NBT.B.5 Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

Standards for Mathematical Practice

MP1 Make sense of problems and persevere in solving them.

MP3 Construct viable arguments and critique the reasoning of others.

MP6 Attend to precision.

CCSS English Language Arts

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

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