



# 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