

## Teacher Lesson 6: Material Properties

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### Next Generation Science Standards

#### *Grade 2. Matter and its Interactions*

2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. [Clarification Statement: Observations could include color, texture, hardness, and flexibility. Patterns could include the similar properties that different materials share.]

2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose. [Clarification Statement: Examples of properties could include strength, flexibility, hardness, texture, and absorbency.]

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Ask students to collect items that have different properties, such as these.

- Color
- Texture
- Hardness
- Flexibility
- Absorbency
- Strength

Can your students find multiple examples of objects with each of these properties?

Have them examine the materials using Flexi-Scope and compare them.

How does a dry sponge look different from a wet sponge?

What you can tell about a material by looking at it using Flexi-Scope?

How does the object look different when you observe it using Flexi-Scope?

Encourage them to write down their observations in their Flexi-Scope Journal.