

Exploring Properties of Slime



PROJECT DESCRIPTION

Get ready for a slimy science adventure! Participants will use the KNT SLIME Kit to explore the exciting world of slime. Engage and learn cool science words like matter, texture, stretchiness, and chemical reactions. Through safe experiments, learners will make their own slime and watch it change. This fun lesson will introduce participants to the amazing world of matter and chemical reactions! It's time to get slimy!

MATERIALS

- KNT SLIME Kit
- Safety Goggles (Optional)
- Paper towels
- Newspapers/plastic tablecloth.
- Worksheets for recording observations

PRE-REQUISITES

- None.

TECHNOLOGY REQUIRED

Computers with high speed internet, smart board or projector to show videos.

PROJECT BUILD

SLIME



NOTES TO NOTE:

1. Always be mindful of any allergies or sensitivities students may have to the materials used in this lesson. Provide alternative materials if necessary.
2. End project 15 minutes prior to dismissal.
3. Make sure each child has their slime to take home.

OBJECTIVES

- Participants will explore the properties of slime and understand basic scientific concepts related to states of matter and chemical reactions.
- Participants will be able to identify the ingredients in slime.
- Build creativity and divergent thinking skills.
- Discover the science behind slime.

VOCABULARY

- Matter: Anything that takes up space and has mass.
- Texture: How something feels to the touch (e.g., smooth, rough, sticky).
- Stretchy: Capable of being stretched or extended.
- Squeeze: To apply pressure with the fingers or hands.
- Observation: Using your senses (sight, touch, etc.) to gather information.
- Properties: Characteristics or qualities of a substance (e.g., color, shape, texture).
- Chemical Reaction: A process that results in the formation of new substances with different properties.

INSTRUCTIONS (15 minutes):

1. Begin by asking students if they know what slime is and if they have ever played with it before. Encourage them to share their experiences.
2. Introduce the vocabulary words: matter, texture, stretchy, squeeze, observation, properties, and chemical reaction. Provide simple definitions and encourage students to listen for these words during the lesson.

Activity (30 minutes):

Preparation:

- Distribute safety goggles to each student. (Optional)
- Cover the workspace with old newspapers or a plastic tablecloth.
- Provide each student with a plastic cup and a craft stick for mixing.

Making Slime:

- Follow the instructions provided in the KNT SLIME Kit to make the slime. Ensure that students measure the ingredients accurately.
- Encourage students to observe and describe the changes that occur during the mixing process (e.g., texture, color).

Exploring Properties:

- After making the slime, have students:
- Stretch the slime and describe how it feels (sticky, stretchy, soft).
- Squeeze the slime and note any changes in shape.
- Roll the slime into a ball and observe how it behaves.

Discussion (10 minutes):

1. Gather the students and facilitate a class discussion about their observations and experiences.
2. Encourage students to share how the slime felt and behaved. Ask questions such as:
 - What words would you use to describe the slime?
 - How did the slime change when you stretched or squeezed?
 - Why do you think the slime has these properties?

Conclusion (5 minutes):

1. Recap the main points of the lesson: what slime is, its properties, and the importance of safety when working with it.
2. Assign a simple worksheet or journal entry where students can draw and describe their slime-making experience.

Homework (Optional): Encourage students to make slime at home with parental supervision and record their observations in their science journal.

Assessment: Review the completed worksheets or journal entries to assess students' understanding of slime properties and the scientific process. Provide feedback and address any misconceptions.