

All Forms of Water

Subject:

Physical science.

Focus:

Transformation of matter.

Overview:

Water comes in a few forms; it can be liquid, solid, or steam. This lesson helps children see the various properties of water in all of its forms. This lesson illustrates how the same matter can take different forms.

Purpose:

To introduce basic transformational concepts of the physical sciences.

Objectives:

- To gain knowledge about basic transformational concepts.
- To gain experience with these concepts using the concrete example of water.
- To discuss how these concepts relate to other domains of development and academics.

Resources and Materials:

- Ice cubes.
- A cup of water.
- A boiling container of water that is letting off steam.
- A microwave or hot plate to boil the container of water.
- Safety equipment.

Activities and Procedures:

1. Begin the discussion by asking the children to define and describe water.
2. As they are talking, frame the discussion to talk about how water changes and the different forms it has.
3. Ask them what kind of science is demonstrated as water changes form.
4. Then bring out your resource materials. Let the children see and experience the materials, while being safe.
5. Then ask them to describe water again, focusing on the properties of each form that water takes.

Tying It All Together:

Physical science is very abstract and can be a challenge even for adults. However, water is around in every day life. This lesson makes the principles of matter transformation very concrete and comprehensible for the children.

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