

Objective

By the end of this lesson, you will be able to create your own toy out of ice and understand the concept of melting.

Materials and Prep

- Ice cube tray
- Water
- Small plastic toys
- Food coloring (optional)
- Freezer

Before starting the lesson, make sure to freeze the ice cubes in the tray ahead of time.

Activities

1. Discuss the concept of ice and how it can melt when exposed to warmth.
2. Show the frozen toy-filled ice cubes to the student and explain that they will be creating their own toy in ice.
3. Have the student choose a small plastic toy and place it in an empty section of the ice cube tray.
4. Fill the tray with water, covering the toy completely.
5. If desired, add a few drops of food coloring to the water to make colored ice cubes.
6. Place the tray back in the freezer and let it freeze overnight or until the ice cubes are solid.
7. Once the ice cubes are frozen, remove them from the tray and help the student observe the toy encased in ice.
8. Discuss how the ice can melt and the toy will be released.
9. Allow the student to experiment with different ways to melt the ice cubes, such as using warm water, salt, or rubbing the ice cubes with their hands.
10. Encourage the student to observe and describe the changes happening to the ice as it melts.

Preschool Grade Talking Points

- "Ice is a solid form of water that becomes solid when it gets very cold."
- "When we put toys in ice and freeze it, it becomes like a surprise toy hidden in a block."
- "We can use warm water or other things to help the ice melt and release the toy."
- "Melted ice turns back into water."
- "We can observe and describe the changes happening to the ice as it melts."