

## Objective

By the end of this lesson, you will be able to understand the concept of freezing objects in ice and explore the environmental science behind it.

## Materials and Prep

- Small plastic toys
- Water
- Ice cube trays or small containers
- Freezer

No prior knowledge or preparation is required for this lesson.

## Activities

1. Choose a few small plastic toys to freeze in ice.
2. Fill the ice cube trays or small containers with water.
3. Place one toy in each compartment of the ice cube tray or container.
4. Put the trays/containers in the freezer and let them freeze overnight.
5. Once the ice is completely frozen, take out the ice cubes with the toys inside.
6. Observe the frozen toys and discuss how the water turned into ice.
7. Discuss the concept of freezing and how temperature affects the state of matter.
8. Explore the idea of how freezing can preserve objects, just like how ice can keep things cold.
9. Encourage the student to touch and explore the frozen toys.

## Preschool Grade Talking Points

- "Today, we are going to learn about freezing things in ice!"
- "We will use small plastic toys and freeze them in ice cubes."
- "Do you know what happens when we put water in the freezer? It turns into ice!"
- "When we freeze toys in ice, they get stuck inside the ice cubes."
- "Ice is very cold and hard. Can you feel it? It's like a rock made of water!"
- "Freezing things can help preserve them. It's like putting them in a cold box to keep them fresh."
- "Have you ever seen ice before? It's made when water gets really, really cold."
- "When it's cold, water changes from a liquid to a solid and becomes ice."
- "We can explore the frozen toys and see how they look and feel inside the ice."
- "Remember, freezing is when things get super cold and turn into ice!"