

Melting Ice



Area: Cosmic/Sensorial

Materials:

- A large aluminum pan
- A baster or a medicine dropper
- A big ice cube with sea animals frozen inside of it
- A cup of water

Direct Aim: To experiment melting ice, a form of water

Ages: 24-36 months

Presentation:

1. Introduce water and the many forms it has. Talk about how water is transparent and the ways we use water everyday.
2. Show them the block of ice and explain how you turned water into ice which was by placing it in a plastic bowl and freezing it.
3. As the block of ice sits in the large pan look at it this way and that carefully observing it.
4. Say “ the animals are stuck in the block of ice, i need to get them out.”
5. Touch the ice and say “this block of ice is cold and hard.”
6. Take the medicine dropper, place it in the cup of water and squeeze the bulb so that water enters the dropper. Point at the dropper and say “the water is inside the dropper.”

7. Take the water filled dropper and squeeze the water out onto the ice where the animals are frozen and watch as the ice melts away.
8. When the animals bodies are exposed outside the ice, give it a little tug to see if can come out. If it is stuck say " I need more water to melt the ice."
9. Continue to melt the ice with water until all the animals are out.
10. Name all the animals that came out of the melting ice.
11. Empty your pan of water into a bucket and have them water the plants if you have some in your environment.
12. Explain to the children that we can use the water from this job to water the plants to help them grow.
13. Return the pan, medicine dropper and cup to the shelf or your preferred area to create and do again.

Point of Interest: Block of ice with the animals frozen in it.

Control of error: Not squeezing the bulb on the medicine dropper in the water long enough to pick up water to squeeze onto the ice to melt it.

Language: The names of the frozen animals, transparent, cold, ice, melting, medicine dropper, frozen, water.

Extensions:

1. Melting ice cubes on the sidewalk
2. Drawing on the sidewalk with melting ice cubes
3. Make ice cakes using powder form juice to see you add water to the mix and show them liquid to solid form.