

# SUNSHINE

## DAY CAMP

### January Science

#### Cola Geyser

Age Range: All Ages

Supplies: 1 package of mentos, 2-liter plastic bottle of diet coke, piece of paper, 2-inch square piece of cardboard.

Set Up: Position the bottle on the ground so that it will not tip over.

Instructions: Roll the piece of paper into a tube small enough to insert into the top of the soda bottle. Carefully place 7-12 mentos into the paper tube, using the cardboard, place on the bottom of the paper tube so the mentos do not fall out. Open the bottle of diet coke and place the cardboard, and paper tube with mentos making sure it is lined up with the top of the soda bottle. Quickly, slide the cardboard away so the candies drop in. Run clear and watch as the cola explodes out of the bottle.





## January Science

Can You Hold, please?

Age Range: All Ages

Supplies: Ice cubes (1-2 per child), plates (1 per child), 6 inches of string (per child), table salt.

Set Up: None

Instructions: Give each child a paper plate, rinse the ice cubes in the water and give each child 1-2 cubes on their plate. Lay the string across the ice cube. Sprinkle salt on top of the ice cube, making sure much of it lands on or near the string. Wait about 15 seconds and then hold the ends of the string. Slowly lift the string, which will be holding the ice cube.

Salt lowers the freezing temperature of water. In this case, the salt causes some of the ice at the top of the cube to melt. The salty water is absorbed by the dry string, which lets the water at the top of the cube freeze over again- except this time it has locked a length of string beneath the new layer of ice.