

## Lesson Plan: Radical Raisins!

**Area:** Physical Science

**Age Group:** Kindergarten-1<sup>st</sup> Grade

### Supplies Needed:

- Plastic clear cups
- Raisins cut in half
- Club Soda (cannot be flat)
- Other types of small food like grapes, nuts, etc.

### Introduction:

- Ask students if they have ever noticed the bubbles in soda
- Fill in the blank: The bubbles in my soda \_\_\_\_\_.

### Demonstration:

- Pour the club soda in the glass
- Drop in half a raisin
- Watch what happens

### Directions:

- Provide each student with a cup filled with club soda
- Give them each a couple of raisins
- Ask students to drop the raisins into the cup at the same time as you do
- Ask the students to watch the raisin to see what happens!
- The raisin will “dance”
- See if the same thing will happen with the other objects like grapes, nuts

### Follow-up:

- Have a class discussion of what happened
- Ask students what happened to the raisin and why they think that happened
- Explain that the bubbles stuck to the sides of the raisin causing it to float: buoyancy
- Talk about other examples of buoyancy: A lifejacket causes a person to float and be buoyant
- Brain-pop movie!:  
<http://www.brainpop.com/science/motionsandforces/buoyancy/>

**Source:** <http://pbskids.org/zoom/activities/sci/dancingraisins.html>