



KinderPrep Supplemental Sequencing Activity

Dancing Raisins Science Experiment

Step 1: Gather supplies. You will need:

Clear soda (Club Soda, 7-Up, Sprite, etc.)

Raisins *Separate the raisins first. If they are stuck together, they won't dance. Small raisins work better.

Clear cup

Step 2: Fill the cup $\frac{3}{4}$ of the way with the clear soda.

Step 3: Drop 3 or 4 small raisins into the cup. What do you think will happen? Will they sink or float?

Step 4: Then sit and watch what happens. It can take a minute or two for them to start moving.

After conducting the experiment, cut out the cards below and have your child put them in the correct sequence while they explain what steps they had to do for the experiment.



How does this Science Experiment work?

When you first drop the raisins in the soda they sink to the bottom of the glass because they are more dense than the soda. But the carbonated soda releases carbon dioxide bubbles and these bubbles love to attach to the rough surface of the raisins. They act like tiny floatation devices that lift the raisin to the surface of the water. This is due to an increase in buoyancy. Once the carbon dioxide bubbles reach the surface of the soda they pop and the gas is released into the air. This makes the raisin lose buoyancy and fall back down to the bottom of the glass. This continues until all of the carbon dioxide has escaped and the soda is flat.

Extend this experiment by adding different things to the soda. Some options are pieces of uncooked pasta, rice, popcorn kernels, and lentils. Which ones will dance and which ones won't? Why?