

Lets Make Pop Lesson

In front of the class, display a glass or see-through plastic container with a capacity of at least 20 ounces. As you lead a discussion about each of the ingredients listed on their cans of soda pop, ask for volunteers to add that same ingredient to the soda pop you are making.

- 12 ounces carbonated water. (Explain that carbonation puts the "soda" or "tingly fizz" in the water.)
- high fructose corn syrup and/or sugar. (Explain that fructose is a very sweet sugar often used as a preservative. Then show the students regular corn syrup, indicating how thick and sticky it is because of all the sugar it contains. But for your new soda pop, tell students that you will be using sugar. Ask for nine volunteers to come up and add a teaspoon of sugar, one at a time. Have the other students count the teaspoons of sugar as they are added. Ask another student volunteer to stir the mixture, having students notice how much sugar is floating in the water. Point out that nine teaspoons of sugar have been added! Explain that this is the same amount of sugar in sodas such as Sprite, Dr. Pepper and Coke. Explain that sodas such as Grape Minute Maid and Orange Slice have almost two more teaspoons of sugar yet! Then ask for two additional student volunteers to come up and add one more teaspoon each of sugar to the mixture.)
- Coloring. (Ask for another student volunteer to come up and add a few drops of food coloring to the new "soda", explaining to the class that just like food coloring in frosting or that used to dye Easter eggs adds no flavor, neither does the coloring in soda.)

