



INTERACTIVE

THE MYSTERY OF THE SHRINKING SODA CAN | ACTIVITY

WIRED

OVERVIEW

Because of the way middle schoolers' brains are developing during this phase, they can better learn and remember abstract concepts when those concepts are tied to something physical and concrete that they can experience with their senses... and it sure doesn't hurt when it's something fun.

So this Interactive is designed to help illustrate the principle that, even though we can't see God, the evidence of Him is all around us.

THE SET-UP

WHAT YOU'LL NEED

- A table
- Empty soda can
- Stove or hot plate
- Cooking tongs
- Gloves
- Bowl filled with ice water

THE HOW-TO

You probably want to practice this Interactive a couple of times before you try it live. Just saying. So, first, get set up. On your table, assemble all of your supplies.

Follow the cues in the Teaching Script to know when to begin, what to say, and how to time your experiment.

Before you begin teaching, fill the bowl with cold water and ice. Add 1-2 tablespoons of water to your empty soda can (just enough to cover the bottom of the can). When you're ready to begin, place the soda can on the cold stove/burner

and turn it on. When you hear the water boiling and can see steam coming from the can, continue heating it for one more minute. But do *not* let all of the water evaporate!

When you're ready to complete the experiment, use the tongs and gloves to do the following *very quickly*: remove the can from the burner, flip it upside down, and plunge the mouth of the can into the bowl of water. Remember, quickly!

The can should implode as soon as it meets the ice water. Ta-dah!

IF USING THE TEACHING VIDEO...

The video for this session will cover the Interactive for you. So relax! You're off the hook this week.