Rainbow in a Bubble

**What to do:** Add the sugar to the bubble mix. Put the bubble mix in the refrigerator for 5 minutes. This will make the bubbles last longer.

Dip the bubble blower into the mix. When you have a film of soap on the ring, blow gently. Attach your bubble to the bubble stand by shaking the bubble blower over the stand.

**What happens:** After a few minutes, you see different colors.

**Why:** When light hits a bubble, most of it passes through it because the bubble is transparent. But as the air in the bubble evaporates and the bubble gets even thinner, some of the rays that make up white light do not pass through. Instead, they are reflected back from either the outside or the inside. That's why you see various colors of the spectrum. The colors change and disappear, because the bubble's thickness is not the same all over and is constantly changing.

**YOU NEED**
- bubble mix
- one tablespoon of sugar
- refrigerator
- bubble blower, like a wire ring
- bubbles stand