

Seeing a Rainbow in a Bubble

Materials:

- Bubble solution
- Bubble wand
- Shallow containers
- Sunlight or flashlight

What to do:

Ask the child(ren) if they would like to see a rainbow in a bubble. Tell them to dip the bubble wand into the bubble solution and get a film of bubble solution on the wand, but do not blow a bubble quite yet. Hold the wand up and shine the flashlight through the film. If outside, the sunlight can shine through the film. Observe what happens as the light hits the bubble film. Blow a bubble to see if the rainbow is still in it in the air.

Ask these questions:

- What did you observe?
- What colors, if any, did you see?
- Did you see any patterns?
- What makes the colors change?

Application:

Ask the children about the similarities between these rainbows and other rainbows they have seen.

