

# Early ON

@ Home

## Bouncy Balls

### Supplies

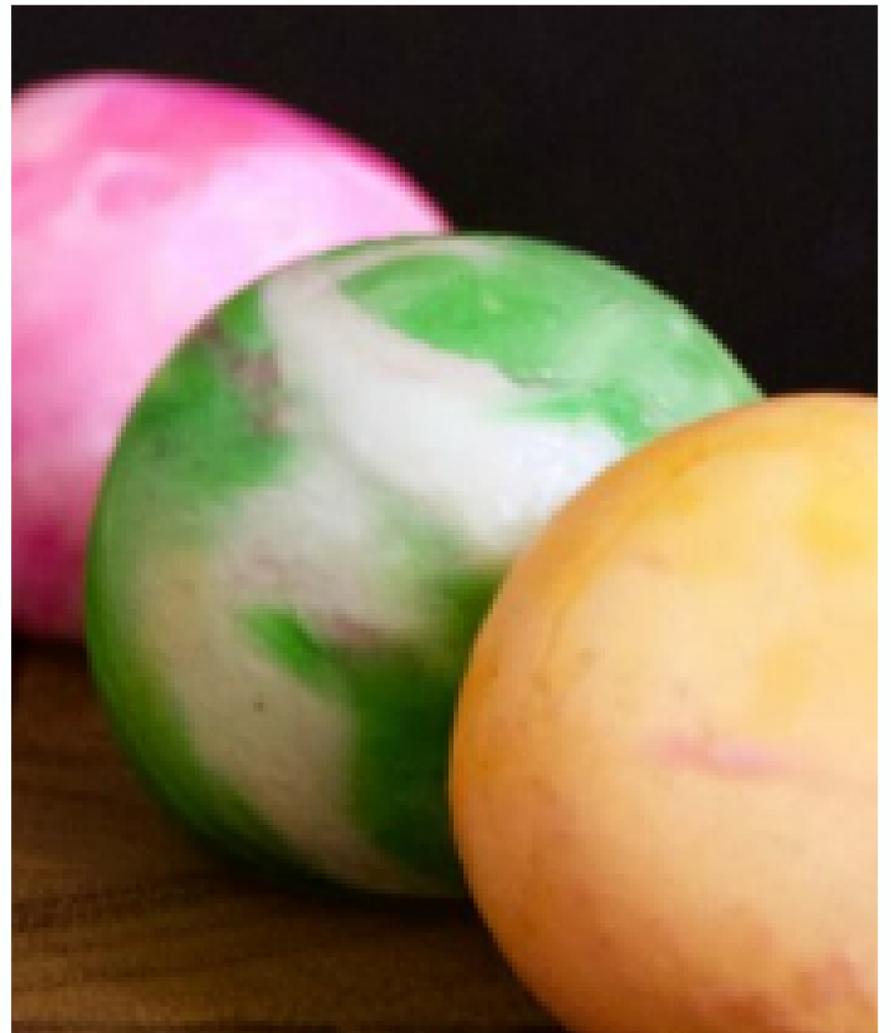
- 1 tbsp. Borax
- ½ cup warm water
- 2 tbsp. white liquid glue
- 1 tbsp. cornstarch
- Food colouring (optional)

### Directions

- Mix the Borax and water until the Borax dissolves. Add food colouring if desired.
- Separately, combine the glue and cornstarch. Add food colouring if desired.
- Add the glue mixture (easily removed with fork) into the Borax mixture and let it sit for 10-15 seconds.
- In your hands roll the lump into a ball. As you roll it, it will become less sticky. If it continues to be sticky, dip it back into the Borax water mixture.
- Let the ball firm up and then it's ready to be played with.

### The Science

The chemicals in the Borax and glue react together, which creates long polymer chains. These chains are shortened when less liquid is used and more Borax powder is added. So instead of long stretchy slime (which this recipe could be altered to make), you get a firm ball of flexible polymer chains.



### Questions to Ask Before

- What do you think this mixture is going to make?
- Do you think these balls will bounce high?

### Questions to Ask After

- What ingredients made it this way?
- What would happen if we added more of one ingredient or less of another?