



Color Mixing Experiment

What happens when two colors meet? Mix them, add water, compare the result, and save each discovery on a simple record card.

Helps Your Child Grow



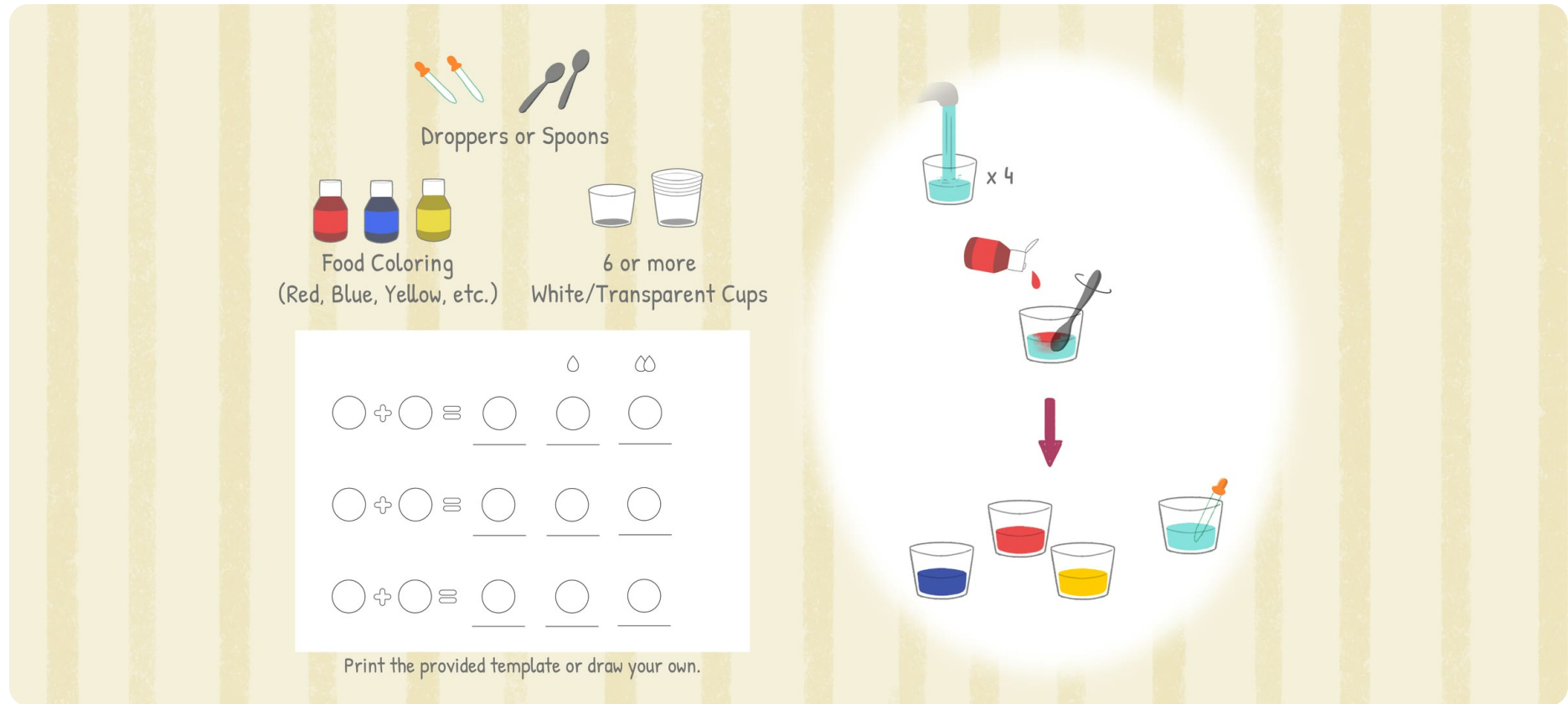
Scientific Inquiry

Mixing colors, observing the result, and recording each change gives your child experience following a simple process of scientific investigation.



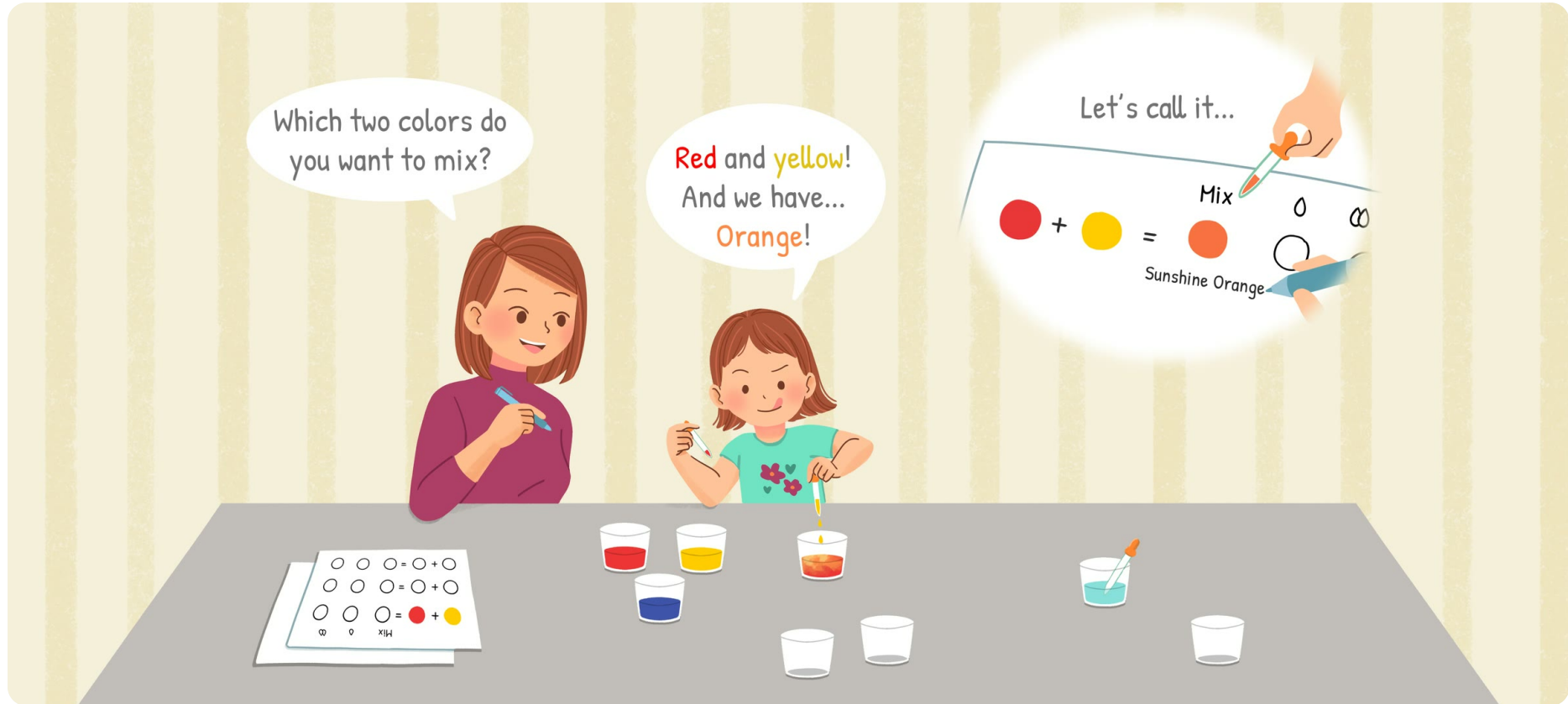
Vocabulary

Describing a new color and inventing a fitting name gives your child a playful reason to understand and use descriptive words.



What You'll Need

1. Dropper or spoon
2. red, blue, and yellow food coloring
3. several clear cups
4. record card, plus four prepared cups containing red water, blue water, yellow water, and plain water



Mix Two Colors

Set out the record card and the four prepared cups. Use the dropper to move two colors into a clean cup and mix them. Watch the color change, then place a drop of each starting color and the new mixed color on the record card in order.

Observations

- Watches what happens after mixing two colors
- Aims the dropper and squeezes liquid into the cup

Tips

- If your child invents a name for the new color, write it beside the sample to save the discovery.
- The two amounts do not need to match exactly. The goal is to watch what changes when the colors combine.
- If naming is difficult, ask what the color resembles - a juice, a flower, or something else - and build a name from that idea.



See What Water Changes

Follow the record card to add one or two droppers of plain water to the new color. Observe what changes and record the lighter result beside the first mixture.

Observations

- Places color samples on the record card
- Invents a word to name a new color

Tips

- If the difference is hard to describe, ask, “Does it look lighter or darker than before?”
- Place the two colors side by side so your child can compare them while describing the change.



Run Your Own Experiment

Once the sequence is familiar, let your child choose the colors and direct the experiment. Be their assistant and remind them of the order only when needed: mix the colors, add water, observe, and record.

Observations

- Remembers to mix two colors before adding plain water
- Excitedly shows you when a new color appears

Tips

- Help your child retell the process with a question such as, “Which two colors did you mix?”
- For a new experiment, mix three colors or add a different amount of water and compare the result.
- The record card makes it possible to compare experiments instead of relying only on memory.