

Splash Lab



STEAM Square Activity Sheet

Supplies Needed:

- Water Balloons
- Water
- Empty pump bottle (hand soap, shampoo, lotion or other)
- Cornstarch
- Food Coloring or liquid watercolor paint



Directions:

1. Mix equal parts of cornstarch and water. Add drops of food coloring/paint until the shade you would like is desired.
2. Fill your empty pump bottle with the mixture (a funnel can help).
3. Fill your balloons with the pump (best done outside) then throw your balloon on the pavement to pop them! The color will develop fully once the water dries.

Questions:

- A. Why do you think the color gets darker/more vibrant as the spot dries? (talk evaporation)
- B. How could the reaction be sped up? (think temperature/sunlight)
- C. How high did you throw the balloon to pop it? What would the splash pattern look like from different heights?

Extension Activity Ideas:

1

TARGET PRACTICE

Draw a target and see how accurately you can launch the balloons.

2

SPLAT ART

See if you can make a face or flower with your water balloon splats

3

FIZZY PAINT

Try using equal parts water, baking soda, and cornstarch and spray your splats with vinegar

4

PAINT WITH IT

Run out of balloons? Use the same mixture to make paint and apply with a brush