

PRINGLES CHALLENGE

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MATERIALS

Milk

Food coloring (the more colors the better!)

Shallow plate or pie tin

Q-Tips

Dish Soap

GOAL

Ancient Rome perfected the arch. Can you build an arch using nothing but Pringles?

DIRECTIONS

Pour a little milk into a shallow plate, pie tin, or other shallow container.

Dot the surface with different colors of food coloring.

Is anything happening?

Now place a little dish soap on the end of a Q-Tip.

Touch the Surface of the milk with the soapy Q-Tip.

What happens?

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Fun with Color is a GREAT activity for ANY age!

FOOD FOR THOUGHT

Dish soaps contain surfactants which break the surface tension of water, making it easier to clean a dish. The surface tension of the milk keeps the colored drops from spreading. Once the surface tension is broken by the surfactant, the colors freely swirl. Try different patterns before treating the milk with a surfactant.

STEM CREATES THE WORLD WE LIVE IN

Look around your room. Almost everything in it was designed and built by people in STEM careers. STEM activities are an important part of preparing your child for creative problem solving and a valuable career. STEM skills build confidence and awareness of a wider world.

Join us on AutolivStem.com and find free STEM activities which build confidence and interest in how things work, along with problem solving skills which will empower youth.