

Title: Soap and Pepper Experiment

Age Group: Kindergarten / School Age

Submitted by: Anushi (St. Victor)



Type of Activity: Science

Materials:

- A plate
- Dish soap
- ½ cup of water
- Food colour
- Pepper

How to Do it:

- Optional* add food colour to water
- Pour water onto a plate or shallow bowl
- Sprinkle a teaspoon of pepper into the water
- Dip your finger into the dish soap
- Then, touch the water in the centre of the plate
- Watch as the pepper quickly scatters to the perimeter of the plate (away from the soap)

Root Skill / Extension:

Social: 1.2 Conflict resolution & social problem-solving

Like the pepper, germs can still linger when only using water alone for washing, therefore lather with soap for at least 20 seconds each time you wash.

Extension Questions: Where were the “germs” before the soap was added? What are the 6 steps of hand-washing? What should you clean your hands with if there is no accessible water? What are some other ways we can stay safe?

Please read Toronto Public Health’s *Routine Practices* for more information:

<https://www.toronto.ca/wp-content/uploads/2019/07/98f0-tph-routine-practices-slideshow-2019.pdf>

STEP - **s**top the spread by washing after **t**oilet, before **e**ating and after **p**laying 🇨🇦