

NANOGIRLS

GREAT SCIENCE ADVENTURES

Here's Nanogirl's simple experiment to show how soap works on germs

INGREDIENTS

Pepper
A bowl of water
Some soap

METHOD

Fill a bowl with some water and then sprinkle some black pepper onto the top.

Now you should see that the pepper is floating over the top of the water, and if you dip your finger into it, well, all that happens is your finger is covered in pepper.

Next, you're going to add some soap to a bowl and then dip your finger into the soap.

Now dip your finger into the water and you should see that all the pepper moves away from your finger leaving it super clean and pepper free.

Now imagine if the pepper was germs, the soap acts like a surfactant and gets the germs to wash away.

This is why it is really important to use soap, not just water and make sure you wash your hands before every meal and after you go to the bathroom.

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