

Science

Germ

Kindergarten

State Standard(s): K-LS1-1

Student Learning Objective(s): TSWBAT explain why it is important to wash their hands thoroughly with warm water and soap for 20 seconds.

- **Resources and Materials**
 - [Google Slides](#)
 - [The Singing Walrus](#) video
 - [Microscope Life](#) video
 - Glitter
 - Soap and water
 - A sink
 - [Wash Your Hands worksheet](#)
 - Scissors
 - Glue

- **Lesson**

Anticipatory Set:

I will play this [fun song video](#) about washing your hands to begin the lesson.

Input:

I will ask the class these questions and listen for responses in between: "Who can tell me what a germ is? (*something that makes you sick*)" "Who knows how germs spread? (*when people touch things without washing their hands*)" "Sometimes when you look at your hands, they look clean and you think they don't need to be washed, but really, they do! Germs are so tiny that you cannot see them by just looking at them with your eyes. Who knows what scientists use to see super tiny things, like germs, that we cannot see with just our eyes? (*microscopes*)" I will show a [short clip](#) of germs moving under a microscope (3:10-3:45).

Modeling:

I will draw a stick to choose a student to go get their hands damp at the sink. Then I will sprinkle some glitter on their hands and ask them to rub their palms together. I will explain that the glitter represents germs, and now their hands are covered in germs! I will then draw another stick to choose a second student to come up and shake hands with and high-five the "germy" student. I will then have the second student look at their hands, only to realize that their hands are now covered in germs, too! I will then ask the first student to go wash their hands with warm water only, no soap, for 20 seconds. They will then show the rest of the class their hands and show that there are still some germs on their hands. I will ask the second student to go up and wash their hands thoroughly with warm water and soap for 20 seconds. They will then show the rest of the class their hands and show that there are little-to-no germs left. Both students will have a seat back at their desk.

Guided Practice:

I will draw one more stick to choose a student to get their hands damp and then come up and get some glitter as well. Then I will instruct that student to go shake hands with and high-five a friend. That friend will do the same to another friend, and so on, until each student has had a chance to shake hands and high-five someone. I will then have the students return to their seats and look at their hands. I will ask the students to tell me what they observe. All of the students should have some "germs" on their hands. This will show them how quickly and easily germs can spread. Students will now have a chance to wash the glitter off of their hands with warm water and soap for 20 seconds and return to their seats.

Independent Practice:

The students will then get out their scissors and glue and complete the [Wash Your Hands worksheet](#). They will have to cut out the steps to washing hands and clue them in the correct order on the second page. When finished, the students will

put their worksheet in their mailbox and pack up their stuff to go home.

Closure:

Review - I will ask the students these questions and listen for responses in between: "What are germs?" "How do germs spread?" "For how long should we wash our hands?" "What temperature should the water be (cold or warm)?"