## 6<sup>th</sup> Grade Communicable Diseases SOL 6.1 E

Target: Students will learn how to prevent the spread of communicable disease



## **Bell Ringer**



What could you do to help prevent the spread of communicable (spreadable) diseases? (ex. common cold)

Which do you think is a more effective way to dry your hands, paper towel or hand dryer? Why?

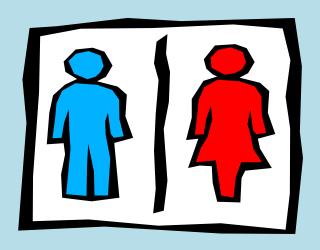


## Break Time



Water

- Bathroom
- Sharpen Pencils



Communicable Disease- disease that can be spread. ex. flu, mono, strep

• Immune system- a group of cells, tissues, and organs that fight disease.

Eat health and exercise to keep your immune system strong!





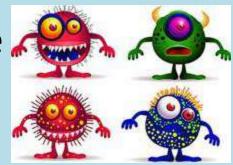
## What are germs?



Germs are microbes. This means they are organisms so small that you can't see them without a microscope.

#### Good vs. Evil

- Some germs are good, like the ones in your stomach that gobble up bacteria.
- Other germs are bad. These are known as Pathogens.
- Pathogens-germs that can cause communicable diseases.



• <u>Infection</u>- When pathogens (bad germs) enter the body and multiply, causing harm to the body's cells.

## There are 4 types of germs. There are 2 that you need to know:

Bacteria –One celled organisms that
live everywhere ex. strep throat
\*antibiotics may help

Examples of bacteria born illnesses:



Food Poisoning



Lyme Disease

### Strep Throat

Sore throat caused by bacteria



#### **Symptoms**

- Sore throat
- white patches
  - Fever
- Swollen lymph nodes



<u>Virus</u>-Smallest of germs. They take over healthy cells.

\*antibiotics won't help ex. common cold, flu, AIDS

How do we get rid of a virus?

You Can't!

The best line of defense is PREVENTION

<u>Vaccine</u>-a dead or weakened pathogen introduced into your body



ex. Measles, Flu, Chicken Pox,

# What kinds of diseases do viruses cause?



Chicken Pox







Flu

# How Germs are Spread (4 Ways)

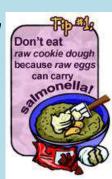
• Direct contact ex. shaking hands with others



• Indirect contact ex. sharing utensils



Eating or drinking contaminated food ex. food poisoning



Contact with animals or insects ex. West Nile virus

### **Glo Germ Experiment**



## Bust the germs that could make you sick!

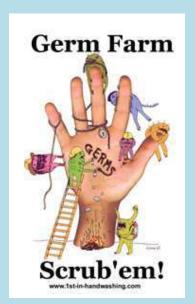
Are you ready to find out our secret weapon? \*Drum roll please...\*



## What is the Proper Way to Wash Your Hands?

- 1. Wet hands & wrists; add soap
- 2. Lather! Lather! Lather! Both sides of hands and wrists Between fingers and thumb; fingertips
- 3. Sing The Alphabet two times! (About 20 seconds)
- 4. Rinse well
- 5. Dry well



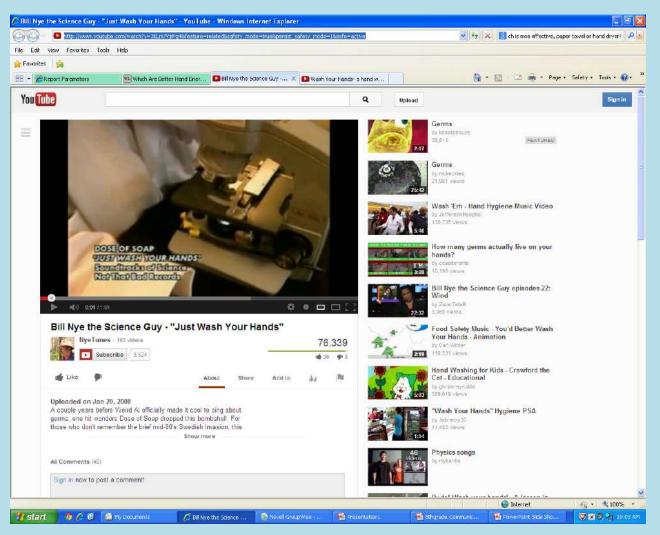


#### Make sure to wash everywhere



Dry your hands using air dryers or a paper towel. If you use a paper towel, use it to open the door, and then throw it away.

### **Billy Nye Hand Washing Song**



#### **Hand Sanitizer Gels**

- 1. Apply one pump to hands
- 2. Rub hands together
- 3. Rub all surfaces
- Both sides of hands & wrists
- Between fingers & thumb
- Finger tips
- 4. Keep rubbing until hands are DRY







#### Don't send germs to other people!

# Fact: A sneeze blows as fast as 100 MPH!





What should you do when you need to cough or sneeze?

### COVER YOUR COUGH OR SNEEZE!



### Do this?



#### How about this?



### How's this?



#### Germ Buster Duties

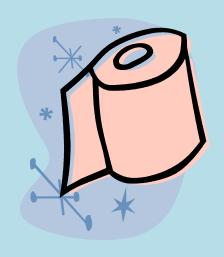
#### Cover up!

When you cough or sneeze, cover your mouth with a tissue or with the inside of your arm





#### When do we need to wash our hands?











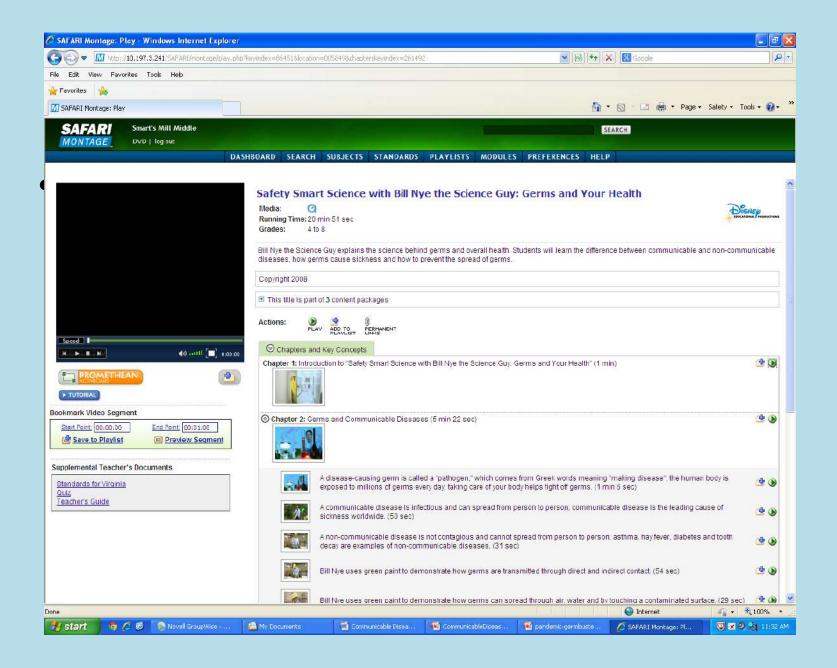






#### POP QUIZ!!!

- 1. In what temperature of water is it best to wash your hands?
- b. Cold
- c. Warm
- d. Hot
- 2. For how long should you wash your hands?
- a. 10 seconds
- b. About 20 seconds
- c. One minute



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