# ACTIVITIES

## GRADE TWO

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**Acknowledgement**

*This teaching resource was developed by the Do Bugs Need Drugs? program in collaboration with Alberta Health and Wellness and Alberta Education.*
Across:
3. An _ _ _ _ _ _ _ _ _ _ can cure a bacterial infection when taken properly.
4. _ _ _ _ _ is here to help you wash your hands.
6. _ _ _ _ _ _ _ _ are much bigger than viruses.
8. _ _ _ _ _ can make you sick.

Down:
1. _ _ _ _ _ _ _ _ _ _ _ _ _ _ is the best way to stop the spread of germs.
2. Colds and flu are caused by _ _ _ _ _ _ _ _.
5. When you wash your hands soap up for _ _ _ _ _ _ seconds.
7. Never take medication without the help of an _ _ _ _ _ _ _ _ _ _.
Bugsy's Word Search

OMEDICATIONBPT
DRNTSICAMRAHPV
RNOWATERDCTNND
NIIIEVOALTOAAEI
COTLIIREUACRUD
CICELBRHNEPTMA
CTEDPIBUTHNNOW
BHFCATCISEISNR
UANDONIIIIIRNII
GNIHSAWDNAHOAR
SDAIWDODGERMSE
YSUINAIICIOPYBN

ANTIBIOTIC
BACTERIA
BUGSY
DOCTOR
GERMS
HANDS
HANDWASHING
INFECTION
MEDICATION
PENICILLIN
PHARMACIST
PNEUMONIA
SOAP
SORE THROAT
VIRUS
WATER
Across:

3. An _ _ _ _ _ _ _ _ _ _ can cure a bacterial infection when taken properly.

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Bugsy's Word Search

ANSWER SHEET

ANTIBIOTIC
BACTERIA
BUGSY
DOCTOR
GERMS
HANDS
HANDWASHING
INFECTION
MEDICATION
PENICILLIN
PHARMACIST
PNEUMONIA
SOAP
SORE THROAT
VIRUS
WATER
NOT ALL BUGS NEED DRUGS

The right medication depends on what is making you sick. Students will learn that bacteria and viruses are different and that antibiotics only work against bacteria.

Materials

- Bacteria and Virus Coloring Sheets
- Bacteria and Virus Overhead (with all six shapes on one page)

Optimal Group Size

- All students

Coloring Sheet Directions

- In advance, photocopy one coloring sheet per student. The set of coloring sheets includes three bacteria, three viruses, and one medication (antibiotic). Only one student will be coloring the antibiotic. Distribute the bacteria and virus coloring sheets randomly to the remaining students, one sheet per student.
- Show the overhead with all the bacteria and virus shapes. Ask the students to decide if they are coloring a bacterium or a virus. Bacteria are larger, rounded and smooth, and have many different things inside of them. Viruses are smaller, geometric, and don’t have as many different things inside of them. Or, are they coloring the antibiotic?
- While students are coloring in the classroom, pairs of students can go to the washroom to practice Handwashing With a Buddy.

Not All Bugs Need Drugs Game Directions

- Ask students to compare their coloring sheets with the overhead and form groups according to their shapes. There should be six groups. Ask the antibiotic to stand alone.
- Ask students to make sure everyone in their group is the same. Make adjustments as needed. Ask each group to decide if they are bacteria or viruses.
- Explain that the antibiotic is going to come around to each group and say “I am an antibiotic. I work against bacteria. Are you bacteria or are you viruses?”
- When the group answers, they should show their pictures to the rest of the class. The rest of the class should check to make sure the answer is correct.
- Then the antibiotic will touch each member of the group. For groups that are bacteria, each student should fall or sit down to indicate that the antibiotic has worked on them. For virus groups, students should remain standing, very straight and tall, indicating that the antibiotic has no effect.

Discussion Points

- Do antibiotics work against viruses? against bacteria?
- What is the best way to stay well and not need medications?

Key Messages

NOT ALL BUGS ARE THE SAME. THE RIGHT MEDICATION DEPENDS ON WHAT IS MAKING YOU SICK. ANTIBIOTICS WORK AGAINST BACTERIA BUT NOT AGAINST VIRUSES. HANDWASHING IS THE BEST WAY TO STOP THE SPREAD OF INFECTIONS.
HANDWASHING WITH A BUDDY FOR GRADE TWO

Use this activity after students have viewed the handwashing video to practice good handwashing technique.

Materials
- Hang the How to Wash Your Hands poster and the Twinkle, Twinkle song poster in the washroom ahead of time.
- Handwashing checklist, one folded sheet per pair
- Clipboard or cardboard to write on

Optimal Group Size
- One pair of students at each sink.

Directions
- Explain to the students that they will be using the buddy system to practice handwashing in the washroom. One student will be washing their hands while their buddy watches and makes helpful suggestions. Then they will reverse the process so that their buddy has a turn washing.
- Show buddies how to use the handwashing checklist to record their observations.
- Remind students to use the posters as visual cues.
- Review the six steps of handwashing:
  1. Wet hands
  2. Apply soap
  3. Rub hands together for 20 seconds and sing the song: Twinkle, Twinkle.
     Wash all hand surfaces including:
     - Palms
     - Between fingers
     - Backs
     - Thumbs
     - Wrists
     - Fingertips and nails
  4. Rinse hands to get the germs off (about 10 seconds)
  5. Dry hands with a paper towel
  6. Use the paper towel to turn off the tap and open the washroom door
     Leave the washroom neat and tidy
- Pair up the students; send small groups to the washroom, one pair per sink.

Key Message
HANDWASHING IS THE BEST WAY TO STOP THE SPREAD OF INFECTIONS.
Handwashing Song

Twinkle, twinkle little star,
Look how clean my two hands are,
Soap and water, wash and scrub
Get those germs off rub-a-dub,
Twinkle, twinkle little star,
Look how clean my two hands are.
Handwashing Checklist

- Wet hands
- Apply soap
- Rub hands together. Sing the Twinkle, Twinkle song.
  - Palms
  - Between fingers
  - Backs
  - Thumbs
  - Wrists
  - Fingertips and nails
- Rinse hands
- Dry hands with a paper towel
- Taps off with a paper towel
- Leave washroom neat and tidy