



Teacher's Notes: Smallpox

Learning Objectives:

The students will be able to match pictures with pictures

The students will be identify a rash, a sore and a scab.

The students will be able to explain and/or identify the meaning of a vaccine, fatal, fever, contagious.

The students will be able to identify the symptoms of smallpox.

The students will be able to identify how to prevent smallpox and other illnesses.

Activities

1. Students do image searches. Have the students save pictures of their favorite ones. Those are then inserted onto a Word document or a PowerPoint. Students write a sentence about each picture. **See Technology printable in the materials.**
2. Look through magazines and find pictures or words that relate to the following words: fever, vaccine, rash, sores, scabs.
3. Bring an ear or forehead thermometer to school. Have students read their temperatures.
4. Mix glitter in with lotion. Have the students imagine that the glitter lotion is germs. Give the students some of the glitter lotion, and have them touch objects to show how germs spread.

General Tips: The goal is to build background knowledge while leading an engaging discussion on any and all information that can be talked about on a given page. The items that you choose to bring up or focus on should be modified for the students you are working with. For example, if you have a student who can point to something in the picture, answer yes/no questions be sure to incorporate a lot more of that as you go through the book. On the same token, be sure to ask a lot of comprehension questions and critical thinking questions at the level appropriate for students. There is something for everyone.

Page 1: A disease is something that makes you sick. Cancer is a disease. Pneumonia is a disease. Chicken pox is a disease. Smallpox was a disease a long time ago. **Point:** man, ben pillow, body **WH Questions:** What disease did a lot of people get a long time ago? **Yes/No:** Does a disease make you healthy? Does a disease make you sick? Is smallpox a disease? **Opinions/Experiences:** Have you ever been sick? **Peer to Peer Interaction:** After you read Page 1, ask students, "What disease did people get a long time ago." The answer is the main idea card "smallpox." Students will find the main idea card and read it to their partner. Have students talk to each other about smallpox.

Page 2: Sometime people get a fever when they are sick. A fever is when your body temperature gets warm. A normal body temperature is 97.5. Anything higher is a fever. People use a thermometer to check if you have a fever. **Point:** girl, thermometer **WH Questions:** What is it called when your body your body temperature gets warm? **Yes/No:** Does your body temperature get colder when you have a

fever? Does your body temperature get warmer when you have a fever? Was a fever a symptom of smallpox? **Opinion/Experiences:** Has anyone ever checked your temperature with a thermometer? Have you ever had a fever? How do you think people feel when they have a fever? **Peer to Peer Interaction:** After you read Page 2, ask students, “What is it called when your body gets very warm?” The answer is the main idea card “fever.” Students will find the main idea card and read it to their partner. Teacher will prompt them to ask their partner some of the questions talked about above.

Page 3: Giraffes are herbivores. Giraffes eat grass and leaves. Giraffes do not eat other animals. Have the students view the following video about giraffes. <https://www.youtube.com/watch?v=jUEhdUtkvDE> **Point:** lips, sore, tongue, girl **WH Questions:** What was another symptom of smallpox? Where were the sores? **Yes/No:** Were the sores in the eyes? Were sores in the mouth? **Opinion/Experiences:** Have you ever had a sore in your mouth? How do you think it feels to have sores in your mouth? **Peer to Peer Interaction:** After you read Page 3, ask students, “What was another symptom of smallpox?” The answer is the main idea card “sores.” Students will find the main idea card and read it to their partner. Teacher will prompt them to talk to their partner about where the sores are.

Page 4: When sores start to heal, they become scabs. Cuts and scrapes also turn into scabs. Scabs are dark and rough. Scabs can be itchy. It is important not to itch scabs. **Point:** lips, scabs **Questions:** What do sores turn into? **Yes/No:** Do sores turn into scabs? Did people with smallpox get scabs? **Sharing Opinion/Experiences:** Have you ever fallen down and gotten a cut? Did you cut turn into a scab. **Peer to Peer Interaction:** After you read Page 4, ask students, “What do sores turn into?” The answer is the main idea card “scabs.” Students will find the main idea card and read it to their partner. Teacher will prompt them to talk to their partner about zebras.

Page 5: A rash is when your skin gets red and bumpy. A rash can be itchy. Have the students view a minute of the following video. https://www.youtube.com/watch?v=xz6aF9_qzWg **Point:** boy, rash, neck, face, body **WH Questions:** What is it called when skin gets red and bumpy? What color does your skin get when you have a rash? **Yes/No:** Did people with smallpox get a rash? **Sharing Opinion/Experiences:** A rash is itchy. Have you ever had a rash on your body? How do you think it feels to have a rash? **Peer to Peer Interaction:** After you read Page 5, ask students, “What is it when skin gets red and bumpy?” The answer is the main idea card “rash.” Students will find the main idea card and read it to their partner. Teacher will prompt them to ask their partner some of the questions talked about above.

Page 6: Contagious is when you can get sick from another person. Smallpox was contagious. Colds are contagious. That means if someone has a cold, you can get it. If you have a cold, someone can get a cold from you. It is important to wash your hands so that you don't catch other people's germs. When you are sick, be sure to cough and sneeze into your arm. If you cough and sneeze into your hands, everything you touch will have your germs on it. You don't want people to catch your cold. Have students practice coughing and sneezing into their arms. Have students view the following video about germs. <https://www.youtube.com/watch?v=yToii3-p-NI> **Point:** man, doctor, mask **WH Questions:** What is it called when you can get sick from another person? **Yes/No:** Does contagious mean you can get sick from someone? Was smallpox contagious? **Opinion/Experiences:** Have you ever gotten a cold

from someone you know? What do you think you should do so that you don't get sick from people?

Peer to Peer Interaction: After you read Page 6, ask students, "What is it called when you can get sick from another person?" The answer is the main idea card "contagious." Students will find the main idea card and read it to their partner. Teacher will prompt them to ask their partner some of the questions talked about above.

Page 7: Fatal means the person dies. Smallpox was fatal. That means people died from it. **Point:** doctor, patient, cemetery, tombstone **WH Questions:** What is it called if you die from something? What does fatal mean? **Yes/No:** Did people die from smallpox? Was smallpox fatal?

Opinion/Experiences: Do you know anyone who has died from an illness? How do you think the family feels when an illness is fatal? **Peer to Peer Interaction:** After you read Page 7, ask students, "What is it called when you die from something?" The answer is the main idea card "fatal." Students will find the main idea card and read it to their partner. Teacher will prompt them to talk about the word fatal.

Page 8: A vaccine is a shot. Vaccines help people not get certain illnesses. There is a vaccine for chicken pox. People won't get chicken pox if they get this vaccine. There is a vaccine for measles. People won't get measles if they get the measles vaccine. There is a vaccine for smallpox. People won't get smallpox if they get the smallpox vaccine. A man named Edward Jenner made a vaccine so people would not get smallpox. Have the students view the following video of a person getting a vaccine.

<https://www.youtube.com/watch?v=jmrSyyUSPNM> **Point:** Edward Jenner, shot **WH Questions:** What is a vaccine? Who invented a vaccine for smallpox? **Yes/No:** Is a vaccine a shot? Does a vaccine make you sick? Does a vaccine help you not get sick? **Opinion/Experiences:** Many people get vaccines at their doctor's office. Many vaccines are a shot in the arm? Have you ever had a vaccine? **Peer to Peer Interaction:** After you read Page 8, have the students talk to each other about vaccines.

Page 9 Vaccines help us not get sick. **Point:** arm, needle **WH Questions:** What helps people not get sick? **Yes/No:** Is a vaccine a shot? Do vaccines give you diseases? Do vaccines help you not get diseases? **Opinion/Experiences:** Do you like to get vaccines? **Peer to Peer Interaction:** After you read Page 9, have students continue to talk about vaccines.