

## Passports: Adventures in Learning The Human Body Series: The Immune System Curriculum Guide grades K-2

### Description of our Tour:

Students will join Marcus Snarkis as he travels through the human body and meets the immune system. They will listen as Karen reads poems personifying the systems of the body and then Maria explains how the immune system protects our bodies. Maria explains these systems so that young students can begin to understand the human "machine".

### Information for Trip Leader:

#### Lesson Outcomes:

The student will be introduced to the following concepts:

- The functions of the immune system
- Activities and resources for teachers and students on the immune system

For additional information go to

[http://www.21-learn.com/TeamTarget/Passports/human\\_body/index.htm](http://www.21-learn.com/TeamTarget/Passports/human_body/index.htm)

and view the tutorials on the immune system and avoiding infection.

Each video can be paused for discussion and questions.

#### Activities:

##### **Activity # 1: Getting sick**

Make posters for your school to show other students how they can avoid getting sick. For example draw pictures of washing hands, covering their mouth when coughing, etc.

##### **Activity # 2: Marcus Snarkis**

1. What did Marcus dream about?
2. Why do you think the immune system was like an army in the story?
3. How do you think he really got better? (stayed in bed, ate soup, slept, maybe drank water)

### **More Discussion Questions:**

1. *What is the main job of the immune system?*
2. *How can we keep a healthy immune system?*
3. *What are some of the parts of the immune system?*
4. *What would happen if we did not have an immune system?*

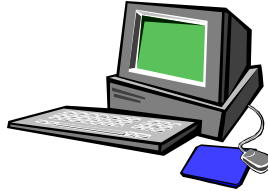
### **Responses:**

1. To protect the body from germs/disease.
2. Maintaining healthy habits such as eating and sleeping.
3. White blood cells, lymph nodes, thymus and antibodies.
4. Our bodies could not fight off germs.

### **Writing/Drawing Prompts:**

- The immune system is important because...
- How do I feel when I am sick?
- How do I catch illnesses like a cold?
- How can I protect myself from getting sick?





### **Web Resources:**

[www.howstuffworks.com/immune-system.htm](http://www.howstuffworks.com/immune-system.htm)

Information on how the immune system works for upper elementary students.

<http://yucky.discovery.com/flash/body/pg000131.html>

Fun information about the skin and how it protects the body.

<http://www.cyh.com/HealthTopics/HealthTopicDetailsKids.aspx?p=335&np=152&id=2402>

Information and activities on the immune systems for elementary students

[http://kids.jdrf.org/index.cfm?fuseaction=home.viewpage&page\\_id=4B312651-5004-D739-A52F211666036011](http://kids.jdrf.org/index.cfm?fuseaction=home.viewpage&page_id=4B312651-5004-D739-A52F211666036011)

Fun and interesting information on the immune system for elementary students

### **Suggested Reading:**

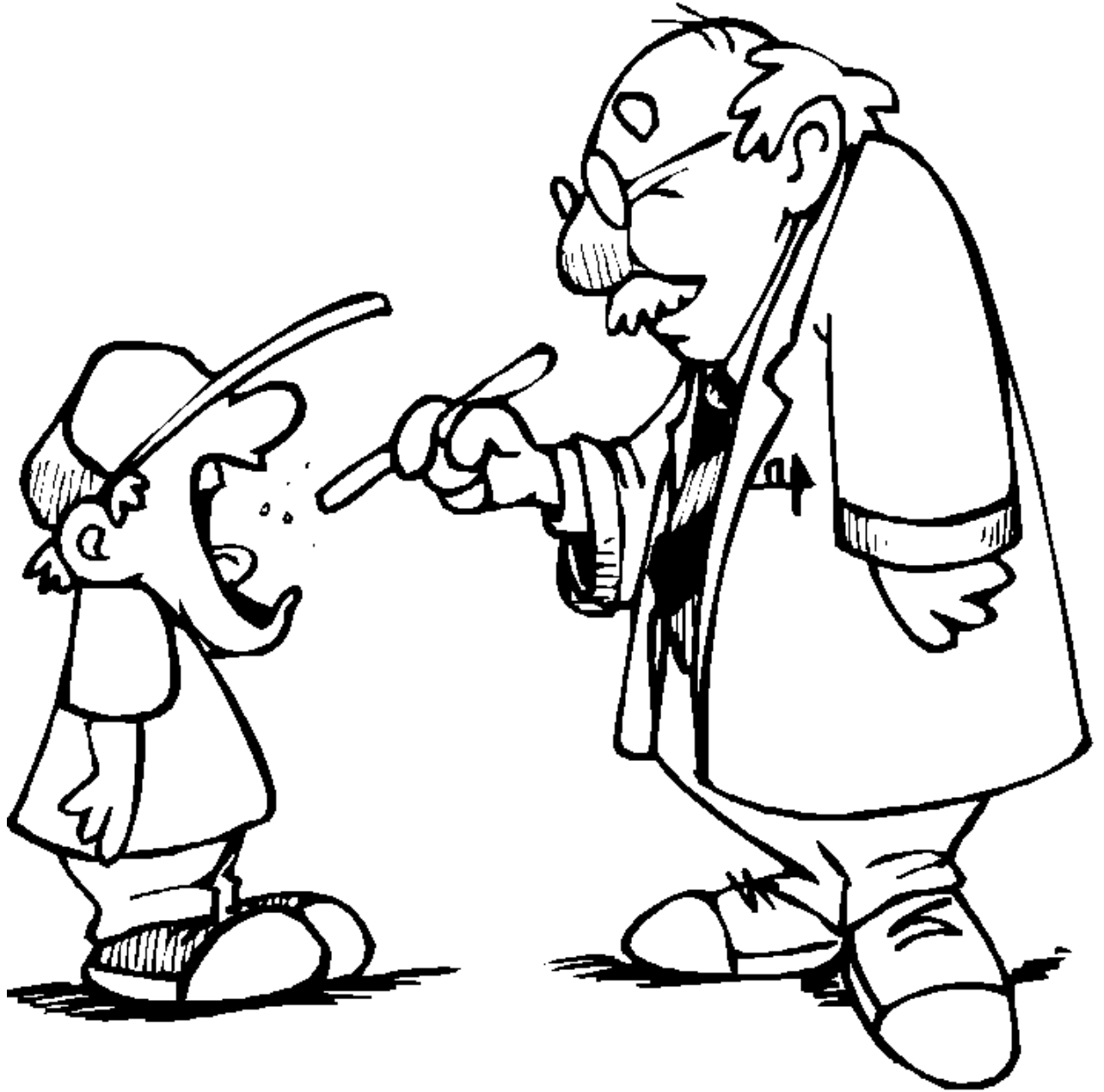
The Internal Adventures of Marcus Snarkis: Ray Nelson, Jr., Douglas Kelly, Ben Adams, Julie Hansen

The Incredible Human Body: Esther Weiner

The Human Body (Scienceworks for kids): Elissa Dosik Weinroth, Alexander Cruz, Jo Larsen, and Nancy Schoefl







Say AHHH



