

# F CUSED FIELD TRIPS

## Second Grade Student Investigation

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CENTER 

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## Second Grade Investigation

This Investigation contains activities on a variety of topics found throughout the Center. Each activity directly supports the Arizona state science standard (listed in the Teacher Guide). Exhibits are also sometimes removed temporarily for repair or refurbishment, or may be in use by other groups, so be prepared to be flexible.

## Investigation Activities

### Level I: All About Me in the Steele Foundation Gallery

#### The Skin you're In

Quick! Can you tell me what the biggest organ is in a human body? If you answered skin, you are correct! You may not think of skin as an organ, but it is, and skin is very important. Skin is responsible for holding everything together. It covers and protects everything inside the body, helps our body stay at the right temperature, and allows us to have the sense of touch. Your body is constantly creating new skin cells and getting rid of old ones.

#### Where to go

Skin Chart

#### What to do

Ask the children if they think they all have the same amount of skin.

Tell the children that as a group you are going to work together to find the number of square feet of skin we each have.

Use the ruler on the wall to measure the height of each student. Use the chart to find the number of square feet of skin s/he has. Record the results:

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Compare results. Are they all the same?

Discuss the differences with the children and ask them why they each have a different amount of skin.

## **Monster Stomach**

The food we eat gives us energy to live and move about. Our bodies cannot use the food in the same form that it enters the mouth.

### **Where to go**

Monster stomach

### **What to do**

Enter into the stomach and look on the wall on the right side.

Where does digestion begin? What happens to food while it is in the stomach?

What is the turned into poop and sent from the body? Stop and listen to the sounds that are made in the stomach.

## **The beat of your heart.**

Your heart beats from the beginning of life until the end. Sometimes it beats fast and sometimes it slows down. Sometimes you can feel it and sometimes you can't. The heart does very important jobs in your body.

### **Where to go**

Heart Beat Drum

### **What to do**

Follow the directions at this exhibit. What happens to your heart beat after you jump about? Record the heart beat of two of your friends. Are they the same? Whose is the fastest? Whose is the slowest? Why do you think there is a difference?

Compare your heart beat to your chaperone's heart beat.

## **Meet B.H. SKILL**

**(Brain, Heart, Stomach, Kidney, Intestine, Liver, Lung)**

Remember, skin is the biggest organ in a human body. Your skin, muscles, and bones protect other organs inside your body. There are many different systems within the body. Each system contains organs that help keep the body functioning.

### **Where to go**

Body Puzzle

### **What to do**

Remove the organs and pass them out to the students. Explain that they are going to use this model of the human body to help them learn where the seven major organs are located in the body.

***What are the names of some organs in our body?*** Some answers may include, heart, brain, lungs, intestines, liver, kidneys, stomach.

***These organs work together as a team, or a system, to help your body do a job.***

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