You are now beginning a study of the human body. It is important that we understand how our bodies work so that we will be able to take good care of them. Your body is covered by your largest organ (skin) and it’s supported from within by your foundation, your skeletal system! All of your body systems have to work together in order to keep you alive and well. You will be exploring the parts of your body by using web resources and answering the questions that correlate to the specific questions. You may use the resources on this page, or you may use search engines to find what you’re looking for. Another great resource is www.kidshealth.com.

A.) Skeletal System* http://tinyurl.com/cypedvw

1. What is a joint?

2. What is a ligament?

3. What are tendons?

4. Why is the skeletal system important to us? Include in your answer--Protection, storage, movement, and blood cell formation.

5a. How many bones are babies born with?
5b. How many bones do adults have?

B.) Muscular system* http://tinyurl.com/nxgsb39

1. What is the function/importance of the muscular system?

2. Describe each of the 3 types of muscles.
   A.
   
   B.
   
   C.

* Skeletal and Muscular Systems sometimes combined as Musculoskeletal System
3. Muscle action can be voluntary or involuntary. Explain what that means and give an example of each.

   Voluntary

   Involuntary

C.) Circulatory System http://tinyurl.com/7ru6gtj

1. What is the primary function of the circulatory system?

2. What are the main organs/parts involved in the circulatory system?

3. What are the parts of blood and what do they do?
   A.
   B.
   C.

4. What is the function of the heart?

5. What are the three types of blood vessels? Describe each.
   A.
   B.
   C.

D.) Respiratory System http://tinyurl.com/c3edae7

1. What is the primary function of the respiratory system?

2. What is respiration?

3. Describe how the following parts of the body aid in respiration:
   A. Nose
   B. Pharynx
   C. Larynx
   D. Trachea
   E. Bronchi
F. Lungs

4. How do you breathe? Include the rib muscles, Diaphragm and Cellular respiration.

E.) Digestive System  http://tinyurl.com/czrowhc

1. What is the function of the digestive system?

2. What are the main organs involved in the digestive system?

3. What are the two types of digestion, describe each?

4. What is the path food takes once it is put into the mouth?

F.) Nervous System  http://tinyurl.com/lh46kpl

   Click on Divisions of the Nervous System (under Brain Basics)

1. What are the parts of the central nervous system?

2. What are the parts of the peripheral nervous system?

3. Click on A Computer In Your Head (under World of Neuroscience). How is your brain like a computer?

4. Click on Millions and Billions of Cells (under The Neuron). How are neurons (nerve cells) different than other cells in your body?

G.) Urinary System  http://tinyurl.com/guwvnhz

1. What is the function of the urinary system?
2. What are the main organs involved?

3. What is the function of the kidneys?

**Options if you are done early...**

1) Download the Color Uncovered app by Exploratorium and study optical illusions that fool your brain.
