**Human Body Systems Travel Brochure**

The Colossal Colon Ad Agency wants to hire you as a travel expert to design a luxury tour through the Human Body System. Before you can collect your money from the Anatomy Travel bureau, you must produce a brochure. The owner of the travel bureau, Mr. Barry Blood, needs you to highlight the trendy spots, exciting activities, and the imports and exports of the areas. For insurance considerations, you must also mention any possible dangers or special precautions that tourists might encounter in visiting these systems (diseases). Your world body tour should include visits to the following systems: **Muscular/Skeletal; Digestive, Circulatory, Respiratory, Urinary, Nervous, Endocrine, and Immune**.

**Format**:

* Use regular 22”X28” poster board-ANY color
* Divide the front and back into 4 equal columns-having a TOTAL of 8
* One section will be used for both skeletal/muscular, and the rest will have one system each
* The key is to feature the function and major structures of EACH system; how the system works with other systems in the body, AND what could go wrong when the system is not functioning properly.
* You can use pictures, diagrams, and text to highlight each system. Make sure to answer each question below for each system
* Each student will orally present their brochure and each class will vote on which student will get the contract and earns the money!!

**Muscular/Skeletal Systems:**

1. What are the 3 functions of the skeletal system?
2. What is made in the marrow of our bones?
3. What is the function of our muscular system? Describe voluntary and involuntary movements and provide an example of each.
4. What are ligaments and tendons? How many bones does the adult human have?
5. What can go wrong with the systems?

**Digestive System:**

1. Identify the major structures of the digestive system and their function.
2. What is the function of the digestive system?
3. Compare mechanical and chemical digestion. Where does each take place?
4. What can go wrong with the system?
5. How does the digestive system work with the circulatory system?

**Circulatory System:**

1. List the functions of the circulatory system.
2. What are the major structures? Explain how blood moves in arteries and veins. (towards heart; away from heart?)
3. What can go wrong with the system? (heart attack, stroke)
4. What do red blood cells do?
5. How does the circulatory system work with other systems in the body?

**Respiratory System:**

1. Identify the major structures and function of the respiratory system.
2. Describe what happens between the alveoli and capillaries.
3. Describe what happens when you exercise.
4. What can go wrong? (emphysema, respiratory infections)
5. How does the respiratory system work with other systems in the body?

**Urinary System:**

1. Explain the function and major structures of the urinary system.
2. What is the function of our kidneys?
3. Define excretion. What other systems are part of the excretory system?
4. What can go wrong with the urinary system? (UTI, renal failure)

**Nervous System:**

1. Describe the functions of the 3 major structures of our nervous system.
2. What parts are in the central nervous system? Peripheral nervous system?
3. What can go wrong with the nervous system? (Alzheimer’s disease, multiple sclerosis, Lou Gehrig’s disease, epilepsy)
4. How does the nervous system work with other systems in our body?

**Endocrine System:**

1. What is the function of the endocrine system? Describe the major parts.
2. What can go wrong with the system? (diabetes)
3. Define homeostasis.

**Immune System:**

1. What is the function of our immune system? What are the major parts?
2. What can go wrong with the system? (allergies, AIDS, multiple sclerosis)
3. How does it work with other systems in the body?