

Human Body Systems Project
Human Anatomy & Physiology – Grade 8
Mr. Graves

Student Name: _____

Students will work in groups to research one of the eleven body systems as found in the approved *Life Science* book we use in the classroom. Research will focus on the structure and function of the major organs in the assigned body system. Each group will be responsible for a visual aid to be used in a presentation to the class. In addition, each individual in a group will be responsible for researching and presenting information on one disease associated with their assigned body system.

Primary Learning Outcomes

- Students will be able to name the eleven human body systems and their functions.
- Students will be able to identify the organs and structural parts present in each system (i.e. circulatory: heart, arteries, veins, and capillaries).
- Students will be able to describe the basic structure of the major organs in each system.
- Students will recognize different diseases associated with the body systems.

Additional Learning Outcomes

Students will enhance their research and presentation capabilities.

Materials and Equipment

Reference material, poster board, pencils, markers, color pencils

Total Duration

1 week (five 45-minute class periods)

Technology Connection

Internet research and use of Google Slides presentations

Assessment

Presentation skills, presentation content, completion of body systems chart, final test on all 11 body systems

Human Body Systems

- Muscular
- Integumentary (Skin)
- Cardiovascular
- Digestive
- Immune
- Lymphatic
- Nervous
- Urinary (Renal)
- Skeletal
- Respiratory
- Endocrine
- ***(Reproductive = not applicable for student project/presentation)

Objectives:

- Students will be able to name the eleven human body systems and their functions.
- Students will be able to identify the organs and structural parts present in each system (i.e. circulatory: heart, arteries, veins, and capillaries).
- Students will be able to describe the basic structure of the major organs in each system.
- Students will enhance their research and presentation skills.

Requirements:

- Work in groups of 2 to research an assigned body system, create a visual aid, and present information to the class. Information presented during the presentation will be used to fill in a chart that will be used as a study guide for the test.
- What to research for your assigned body system:
 - List and explain the *functions of the organ system*.
 - Identify the *major organs and their functions*.
 - Describe the *basic structure of at least one major organ* in assigned body system (i.e. lungs: describe the bronchi, bronchioles, and alveoli).
 - **Each member must describe a disease associated with their body system.**
 - Name and description of disease
 - Mode of action for treatment
- Visual Aid:
 - Title
 - Outline of body
 - Diagram of major organs in anatomically correct locations
 - Labels on major organs
 - Neat, easy to understand, colorful, **creative**
- Presentation:
 - Present all required information (see above).
 - Organized and easy to follow.
 - All group members participate equally in the presentation.
 - Spoken clearly and eye contact with audience.

Grading	Points
Individual participation in research and presentation - group works well together and completes assigned tasks on time (not disruptive to other groups)	20
Visual Aid has all requirements and used effectively during presentation (requirements listed above)	20
All required content is presented to the class and is organized and easy to follow with smooth transitions (requirements listed above)	40
Presentation is given in a loud voice and at a slow pace that is easy to follow, while making eye contact and not reading from slides (requirements listed above)	40
Total	120

***Grading Rubric is provided for your reference and will be used when you present in class