Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

**Organ Systems Group Project**

**Directions:** You will work in groups of 3 or smaller or you can work individually. You will be assigned an organ system to research and prepare a 15 minute presentation to the class. Be sure to follow the rubric below so that your presentation meets the requirements.

Circle the organ system you will be reporting on

Muscular Circulatory Endocrine Nervous Digestive Respiratory Skeletal Excretory

**Grading Rubric:**

|  |  |  |
| --- | --- | --- |
| **Criteria** |  | **Evaluation** |
| **Presentation lasts 12 minutes** | There will be a 5 point deduction for every minute your presentation is short. Your presentation will be cut off at 15 minutes. | /10 |
| **1 page handout is created.** | This should be designed as the notes for the system you are reporting on. A copy will be given to each student in the class. Ms Clark will copy them for you if given to her prior to the day of your presentation, otherwise you must provide your own copies. | /10 |
| **Audio Visuals used and not abused** | You must use at least 1 audio visual. (Powerpoint, poster, pictures, and video clips)**If powerpoint is used, you should only have short phrases/words on each slide, not paragraphs. DO NOT READ THE POWERPOINT, KNOW THE CONTENT AND TEACH IT TO YOUR PEERS** | /40 |
| **Each team member participates equally** | Divide 12 minutes by the number of people in your group. Each member should use approximately that many minutes.  | /10 |
| **Presentation Content** |
| **Function of the organ system is clearly stated and explained** | Explain the function and purpose of the organ system that you are assigned. | /20 |
| **Organs that make up the organ system are clearly stated and explained.** | Use a diagram to illustrate how each organ in the organ system functions together. | /20 |
| **Example Given** | Use a real life example that displays the importance or function of your assigned organ system. Talk to the teacher for more ideas. You must ok your example before the presentation. | /10 |

**Total Points Earned\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/ 120**

|  |  |
| --- | --- |
| **Muscular*** List & describe the function of each organ in the system (include diagram)
* Describe purpose of 3 types of muscle: skeletal, smooth, and cardiac. Which type of muscle has the most stamina?
* Describe how tendons and ligaments help the muscular system function
* Include muscle diagram of a farm animal
 | **Respiratory*** List & describe the function of each organ in the system (include diagram: nostrils, nasal cavity, pharynx, larynx, trachea, alveoli, lungs)
* Describe how sound is produced and how the respiratory system is associated
* Describe the process of inhalation and exhalation.
* Include respiratory system diagram of a farm animal
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| **Circulatory*** List & describe the function of each organ in the system (include diagram of chambers of heart, arteries, veins, capillaries, etc)
* Explain difference and location of oxygenated blood and deoxygenated blood
* Explain the process of how a heart contracts (beats) to circulate blood throughout body
* Include circulatory system diagram of a farm animal
 | **Endocrine*** List & describe the function of each organ in the system (include diagram)
* Describe the purpose of hormones in the body
* Explain the location and function of the following: Pituitary gland, hypothalamus, adrenal gland, thyroid gland, pancreas. Tell the function of each hormone it produces.
* Include diagram of the endocrine system of a farm animal
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| **Nervous*** List & describe the function of each organ in the system (include diagram brain, spinal cord, and spinal nerves, and nerves)
* Describe the difference between sensory neurons and motor neurons
* Describe the different parts of the brain
* Include diagram of a farm animal’s nervous system.
 | **Skeletal*** List & describe the function of each organ in the system (include diagram)
* Describe difference between long bones, short bones, irregular bones, and flat bones.
* Diagram the location of cervical, thoracic, lumbar, sacral, and coccygeal vertebrae.
* Include skeletal diagram of a farm animal
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| **Digestive*** List & describe the function of each organ in the system (include diagram: mouth, tongue, teeth, esophagus, stomach, small intestine, large intestine, rectum)
* Explain the difference between a monogastric and polygastric animal and give examples
* Include diagram of a farm animal’s digestive system.
 | **Excretory*** List & describe the function of each organ in the excretory system
* Describe how the kidneys function. Include a diagram of a nephron and be able to describe how it works.
* Include diagram of the excretory system of a farm animal
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