**Body Systems Poster Jigsaw**

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| **Question:** What are bodies made of? How are bodies organized into systems?  What body system(s) am I the most interested in investigating? |

**Directions:**Work with a team to become an expert on one body system then share your knowledge with your peers during a poster presentation. Listen for your team’s assigned Body System and include this in the box below. Then, follow the directions in **Parts A - C**to prepare and share your Body System presentation.

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| **My Team’s Assigned Body System: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**Part A: Researching your Body System and Creating a Life-Size Model**

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| **1.** | * Choose a student in your team to be a **body model**. * Then, send your **Resource Manager** to collect a piece of butcher paper that is as long as the body model. |
| **2.** | * Have the body model lay down flat on their back on top of the butcher paper. Palms should be facing up. * Using a pencil, **outline**the body model. * When finished, make any needed adjustments so the outline looks like an actual human body (make revisions to the feet, etc.). |
| **3.** | * **Research** your team’s assigned body system. Use the following prompts to guide your research while using credible sources as much as you can. * Record your collected evidence on notebook paper so you can transfer this information to your model later:  1. What is the **function** of your body system? What does it do? Why is it needed? 2. What is the **structure** of your body system? What **types of cells**, **tissues**, and **organs** make up your system? 3. What are common **diseases** or **disorders** associated with your body system? How do these diseases or disorders **affect** your body system? |
| **4.** | * Once enough information is gathered, start adding to your Body System Model. * Use **drawings**, **labeling**, **text**, **arrows**, **colors**, “**zoom bubbles**”, etc. to identify and describe all parts of your body system’s structure and function. * Decide as a team where to include the information about your body system’s diseases or disorders. * Be creative and also realistic. Use the crosscutting concept of **Scale, Proportion and Quantity** to help you reflect on the **scales** present in your model (macroscopic, cellular, atomic-molecular, etc.). |
| **5.** | * When finished developing your Body System Model, decide who in your team is going to present what information. **Each teammate’s voice should be heard during your presentation!** |

**Part B: Sharing Your Body System**

When prompted by your teacher, share your Body System and model with the rest of the class. Then, listen to the presentations of other teams and record your notes in the table below:

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| **Body System Name** | **Function: What Does it Do?** | **Structure: Describe its Cells, Organs, and Tissues** | **Describe a Related Disease or Disorder** |
| **Digestive** |  |  |  |
| **Circulatory** |  |  |  |
| **Reproductive** |  |  |  |
| **Integumentary** |  |  |  |
| **Lymphatic** |  |  |  |
| **Respiratory** |  |  |  |
| **Muscular** |  |  |  |
| **Skeletal** |  |  |  |
| **Endocrine** |  |  |  |
| **Excretory** |  |  |  |
| **Nervous** |  |  |  |
| **Any plant tissue or organ** |  |  |  |

**Part C: Reflect**

When finished listening to all presentations, use your gathered evidence in the table above to address our main questions:

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| **Question 1**: What are bodies (or plants) made of? How are bodies organized into systems? |
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| **Question 2**: What body system(s) are you most interested in investigating? |
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