Body Suits Project

You may choose from the following body systems:

- Skeletal System
- Muscular System
- Lymphatic/Immune System
- Circulatory System
- Nervous System
- Digestive System
- Endocrine System
- Respiratory System

- **Give an overall sense of the organization and function of the human body system in a 1 page fact sheet**
  - This is to include the organ systems purpose.
    - The main components that make up this system.
    - The relationship of this system to other body systems.
    - Medical problems that can be associated with this body system.
    - How specifically this body system works

- **Create a body system costume**
  - You must put detailed structures (organs, pathways etc) of your body system on the costume. You can earn up bonus points for drawing an extra system on the costume
  - You will be graded on neatness and accuracy. I will take into account that certain systems are harder to draw than others.

- **A written poem, song or artistic representation (painting, collage etc)**
  - This should be thought provoking, creative and related to the system that you are presenting. You must present this part of the project to the class

- **Listing of sources used and additional sources were a person can find information**
  - List at least 5 fun and/or informative websites that give information about your system.
**Teacher Notes**

**Materials**
1) Internet Access
2) Sharpie Markers- students go through quite a few sharpie markers, if possible you could have students bring in their own to cut down on the cost of the project, make sure to have a lot of red markers if several students choose the muscular system
3) Coveralls
   - I have purchased coverall suits from Galeton
   - Coverall with Hood, Elastic Wrists and Ankles #9912
   - Price:
     - 1 – 24 $2.15
     - 25 – 49 $2.00
     - 50 + $1.95

**Optional Extensions**

1) As a fun way to introduce the project I set up stations around the room (see below). At each station students must perform a task. They write down observations and list the body systems that they used to complete the task. Obviously for most of the tasks you use almost all body systems (except for the reproductive system 😊). It’s a quick, easy and fun way to introduce human body systems and see how all the systems work together.

   Materials:
   - Station 1 – Play Dough
   - Station 2- Jump Rope
   - Station 3- Set of Orange Cones
   - Station 4- Blindfolds, Smelly Candles with the labels covered so students have to guess the scent
   - Station 5 – board, several colors of wipe off markers for Stroop Test (online version at http://faculty.washington.edu/chudler/java/ready.html)
   - Station 6- 8-15lb dumbbells
   - Station 7-hula hoop
   - Station 8- colorblindness test plates or a vision chart
   - Station 9- Piece of candy for each student

   **I borrow a lot of this equipment from the gym teacher**

2) In the past I have extended this project and have had my anatomy students come into my biology classes as “guest lecturers.” Students passed out their fact sheets, gave a short PowerPoint presentation on their system and performed their poem or song and/or showed the art projects they created that represented the body system. They also modeled their completed body suits.

3) I have also offered students extra credit for wearing their body suits all day and answering questions from other teachers about the body system they were wearing.
Station 1

Make an animal sculpture out of Play-Dough. Ms. Sunderman must guess what the sculpture is before you move from this station.
Station 2
Count how many times you can jump rope in 1 minute.
Station 3

Time how long it takes you to weave through the cones 3 times.
Station 4

Try to guess the smell of each candle while blindfolded.
Station 5
Time how long it takes you to read through each list 3 times
Station 6
Count how many times you can do a bicep curl.
Station 7

How many times can you hula hoop?
Station 8

Write the letters that you can see on each plate (page). Go in alphabetical order!
Station 9
Eat a piece of candy!