

# Science 8 - Body Systems Re-enactment

Your job is to use your amazing drama skills to **act out and film one** of the following five systems:

1. Digestive System (ex. food traveling through the digestive system)
2. Circulatory System (ex. Blood moving through the body and the heart)
3. Pulmonary System (ex. Air moving in and out of the lungs, gas exchange)
4. Excretory System (ex. Metabolic wastes excreted through the body)
5. Nervous System (ex. How signals from sensory neurons are sent to the brain, and motor neurons sent from the brain to the muscles)

For your chosen body system also explain:

- At least one sickness or disease that affects that body system  
(ex. Digestive System - Ulcers)
- At least one medical application that affects that body systems  
(ex. Digestive System - Tums for heartburn)

By the end of the project your audience will understand the following:

- The audience should be informed and able to describe the simple functions of the basic parts of the body system in humans
- The audience should be able to describe main body parts associated with the chosen body system, (for example, mouth, tongue, teeth, oesophagus, stomach and small and large intestines for digestion)
- The audience should understand scientific vocabulary used to describe different parts of the body system (ex. osmosis, diffusion, absorption, etc.)

Scene details:

2 - 3 group members  
Max 3 minute re-enactment of a specific scene  
Appropriate attire, scenery, language, and props!

USE YOUR IMAGINATION. BE CREATIVE! PAY ATTENTION TO DETAILS!

Here's how to **ACE** this assignment:

1. Make a numbered list of how a body system works:

For example... the circulatory system

1. Location: Heart right atrium
  - Action: Blood enters heart in right atrium
  - Label: Right atrium, blood cell
2. Location: Heart right ventricle
  - Action: Blood leaves heart to lungs from right ventricle
  - Label: Right ventricle, artery, blood cell
3. Location: Lungs Alveoli
  - Action: Blood circulates, drops off carbon dioxide, picks up oxygen
  - Label: Alveoli, capillaries

So on and so forth, until you journey through the WHOLE system.

2. For each step think of how to 'act' it out

For example:

Stop motion video!

Look at step 1 on the list

Location: Heart (How are you going to represent the heart, is someone acting as the heart? Are you using props?)

Action: Blood entering right atrium (How will we show this, is someone acting as a blood cell?)

Label: Right atrium, blood cell (Make sure labels are visible in the video)

3. Repeat this process for each step until the video is finished