**M4 Cell and Organelles Project**

**Purpose:**

This project will facilitate you to investigate some interesting and unique parts of cells and cells as a whole through research. While different cells are adapted to live in their respective environments, so have certain organelles assisted in their survival. You will be encouraged to show knowledge on either the cell as a whole, and by exploring the organelles within the cell. This is the essence of your research and presentation.

**Components:**

You will be graded on your Research and the Visual you provide. You are required to have evidence of your research at the bottom of your poster. Write down the websites, books and/or other sources you used. You will have to work together in groups no more than 4 people in each group.

**What you need:**

**Research**- You are expected to research more information to the parts which are relevant of your topic. give SOURCES USED MUST BE AT THE BOTTOM OF YOUR POSTER or 3D MODEL!

**Visual**- the visual you’ll use will either be a poster or a self-made 3D model. The poster should include pictures and text (at least 200 words). It’s your job to create a clear comparison in your poster.

If you choose to create a 3D model, you do have to explain the relevant parts of the cell by ‘labeling’ your model (no 200 words are needed).

Cells or organelles to be chosen:

* **Human cell**: Nucleus, endoplasmic reticulum (rough and smooth), mitochondrion, cytoskeleton, lysosome, cell membrane, Golgi apparatus, cytoplasm, ribosomes, centrioles, (cilia and flagella optional).
* **Plant cell**: Nucleus, endoplasmic reticulum (rough and smooth), mitochondrion, cytoskeleton, Golgi apparatus, cytoplasm, ribosomes, and cell wall.