

September 28, 2018

Life Science Students:

Your first term project is to construct a 3-D plant or animal cell that includes the organelles listed in the table below. **Your cell project will be worth 2 test grades and will be due on Monday October 22nd.** You may use all resources available to aid in the construction of your project (i.e. text book, cross section cell handout, internet). Your cell must show all of the cellular organelles listed on the table. These organelles should also be labeled either on your project or by using a key. The function of each organelle must also be included. Make sure that your cell has a flat **NOT** round bottom so it will sit on a table. You may use food in the construction of your project. If you choose to use food, you may **NOT** bring your project in before the due date. All food projects must include a container so that it can be stored in the classroom. **Do not use clay or play dough as the cell will be too heavy and will fall apart.**

Attached to these directions you will find a rubric. This is the grading system I will use to evaluate your project. Each project will be evaluated on the following:

- Creativity: different materials used and creatively modified.
- Title
- Plant/Animal cell is labeled and the explanation of each organelles function is provided.
- Written explanation of how a plant cell differs from and animal cell.

Cellular Organelles		
Cell Membrane	Nucleus	Nucleolus
Cell Wall (plants)	Rough ER	Cytoplasm
Smooth ER	Ribosomes	Mitochondria
Chloroplast (plant)	Nuclear Membrane	Golgi Bodies
Vacuole	Centrosome	Lysosomes