**Plant Cell Project**

**Project Outline:** In this project, you will be constructing a model of a plant cell. You will build this model using materials of your choice (no food), but several guidelines must be followed.

Structures that must be included and labeled on your model: **Chloroplast, Mitochondria, Cytoplasm, Cell Wall, Rough ER, Lysosome, Nucleus, Nucleolus, Nuclear Envelope, Smooth ER, Ribosomes, Golgi Body**, **Cell Membrane, Large Vacuole**

Model Guidelines that MUST be followed

* All structures must be 3-D. There should be no drawing on your model with pen, pencil, or marker.
* Your model must include at least 3 colors (a different color for each structure would be best but not required)
* All structures must be labeled on the model using removable labels (not just taped on). Needles work great. **Someone should be able to use your model as a study tool, removing labels and putting them back in for practice**.
* You will have a typed key that lists the function of each structure. This will be attached to the model in some way (taped, glued, stapled to the back, or tied…something like that).

**Animal Cell Project**

**Project Outline:** In this project, you will be constructing a model of an animal cell. You will build this model using materials of your choice (no food), but several guidelines must be followed.

Structures that must be included and labeled on your model:  **Mitochondria, Cytoplasm, Rough ER, Lysosome, Nucleus, Nucleolus, Nuclear Envelope, Smooth ER, Ribosomes, Golgi Body**, **Cell Membrane, Vacuole, Centrioles**

Model Guidelines that MUST be followed

* All structures must be 3-D. There should be no drawing on your model with pen, pencil, or marker.
* Your model must include at least 3 colors (a different color for each structure would be best but not required)
* All structures must be labeled on the model using removable labels (not just taped on). Needles work great. **Someone should be able to use your model as a study tool, removing labels and putting them back in for practice**.
* You will have a typed key that lists the function of each structure. This will be attached to the model in some way (taped, glued, stapled to the back, or tied…something like that).