Unit 2: Cells and Systems *End of Unit Project*

You must choose 1 of these

You will do the project **alone**, or with a **partner,** depending on the chosen project

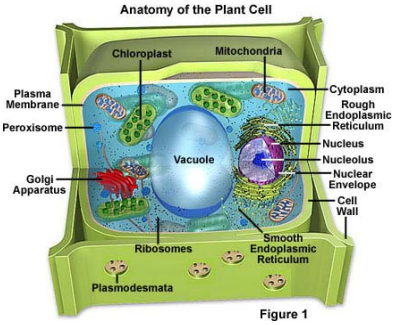
Description of Project Goals

1. To design and construct a 3D model (prototype) of a **Plant Cell**
2. To design and construct a 3D model (prototype) of an **Animal Cell**
3. To design and construct a 3D model (prototype) of a **Body System**

Background:

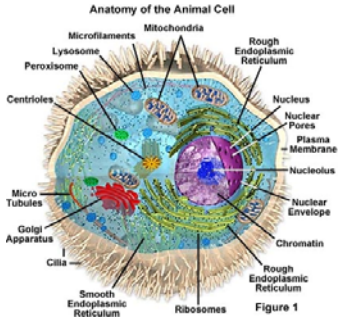
Plant Cell
(Alone)

To construct a 3D Plant Cell Model
(edible materials if you would like).



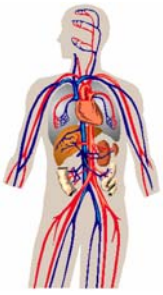
Animal Cell
(Alone)

To construct a 3D Plant Cell Model
(edible materials if you would like).



Body System
(Alone or /w partner)

To construct a 3D Model of any **Body System** we have studied in this Unit
(edible materials if you would like).



Specifications:

Plant Cell

Prototype must be a 3D representation of a Plant cell with all of the parts easily identifiable.

Materials: You may use edible materials or not, but if you do, the 3D model will be consumed following your presentation.

Size Restriction: No larger than your textbook and no thicker than the height of your math and science textbooks combined.

Project **Report** is **NOT** Required.

Oral Presentation should include:
- Identify the parts of your model and give a brief indication of the function of each part you identify
- *Construction Details – How did you build it?*
- Troubleshooting – What problems did you encounter and how did you solve them?

Animal Cell

Prototype must be a 3D representation of an Animal cell with all of the parts easily identifiable.

Materials: You may use edible materials or not, but if you do, the 3D model will be consumed following your presentation.

Size Restriction: No larger than your textbook and no thicker than the height of your math and science textbooks combined.

Project **Report** is **NOT** Required.

Oral Presentation should include:
- Identify the parts of your model and give a brief indication of the function of each part you identify
- *Construction Details – How did you build it?*
- Troubleshooting – What problems did you encounter and how did you solve them?

Body System

Prototype must be a 3D representation of any Body System of your choosing (that is covered in the textbook) with all of the parts easily identifiable.

Materials: You may use edible materials or not, but if you do, the 3D model will be consumed following your presentation.

Size Restriction: No larger than your textbook and no thicker than the height of your math and science textbooks combined.

Project **Report** is **NOT** Required.

Oral Presentation should include:
- Identify the parts of your model and give a brief indication of the function of each part you identify
- *Construction Details – How did you build it?*
- Troubleshooting – What problems did you encounter and how did you solve them?

Evaluation:

Model 50%

(Your 3D model should be a realistic representation of the type of structure you are showing)

Presentation: 50%

Self-Evaluation	Peer Evaluation	Teacher Analysis
20%	**20%**	**10%**