**Cell Project – What’s in a cell?**

**3D Model Directions**

You will create a 3D model about 10 parts of the cell: Nucleus, Mitochondria, Chloroplast, Ribosome, Endoplasmic Reticulum (smooth and rough), Golgi Apparatus, Plasma (Cell) Membrane must be included. The other 3 cell parts are of your own choice. They must be cell parts that are either discussed in your book or were discussed in notes. If you are unclear whether something is appropriate, please ask.

The 3D model will include:

1. labels of each organelle
2. A description of each organelle that includes its function

**Cell Book Directions**

You will create a book about 10 parts of the cell: Nucleus, Mitochondria, Chloroplast, Ribosome, Endoplasmic Reticulum (smooth and rough), Golgi Apparatus, Plasma (Cell) Membrane must be included. The other 3 cell parts are of your own choice. They must be cell parts that are either discussed in your book or were discussed in notes. If you are unclear whether something is appropriate, please ask.

The book will include:

1. A cover page that includes the title of the book, a visual and your name.
2. 10 pages with 1 organelle per page
   1. Each page will include:
      1. The name of the organelle
      2. A picture of the organelle
      3. A description of the organelle that includes a description/definition AS WELL AS 2 OTHER FACTS ABOUT IT

**Cell Song/Rap Directions**

You will compose an original song/rap about 10 parts of the cell: Nucleus, Mitochondria, Chloroplast, Ribosome, Endoplasmic Reticulum (smooth and rough), Golgi Apparatus, Plasma (Cell) Membrane must be included. The other 3 cell parts are of your own choice. They must be cell parts that are either discussed in your book or were discussed in notes. If you are unclear whether something is appropriate, please ask.

The song/rap will include:

1. An original composition (if I find your song on Youtube then you will receive a **0** for this project)
2. Record your song and share it with me via dropbox (rsking@gcsd.k12.sc.us)
3. Type your lyrics and turn in at the beginning of class. Lyrics will include:
   1. Each organelle name
   2. The function of each organelle
4. You will also turn in a description of each organelle that includes its function

**Analogy Poster Directions**

You will create an analogy poster about 10 parts of the cell: Nucleus, Mitochondria, Chloroplast, Ribosome, Endoplasmic Reticulum (smooth and rough), Golgi Apparatus, Plasma (Cell) Membrane must be included. The other 3 cell parts are of your own choice. They must be cell parts that are either discussed in your book or were discussed in notes. If you are unclear whether something is appropriate, please ask.

The poster will include:

1. A picture of each organelle
2. A description of each organelle that includes its function
3. The cell should be compared to everyday life: what does each organelle compare to in a:
   1. School
   2. City
   3. Mall