The Cell Project
100 POINTS
Biology
DUE: **September 30, 2008**

Objective: To learn the structures and functions of the cell by building a three-dimensional model.

Directions:

1. All models must be **three dimensional**. You will receive a bonus 10 points if you do not use Styrofoam.
2. You may choose an **animal, plant, or specialized cell** (neuron, etc) to model. If you choose a specialized cell, you will receive 10 bonus points.
3. All models must be **neat and accurately represent** the organelles of a "real" cell as seen through a microscope **without** any labels! (Include the picture of the cell you used)
4. You must turn in a **bibliography** of any sources that you use on your presentation day. Any pictures also!

Master Index of Freshwater Fish website. *List of oxygen consumption studies for Carassius auratus auratus.* www.webcityof.com/miffidx.html. Accessed April 20, 1999.

5. **BE CREATIVE**!
6. Share a FUN and ORIGINAL **fact** about your cell.
7. **TURN THIS PAPER INTO ME ON PRESENTATION DAY, September 30, 2008 FOR A GRADE!!!!!!!!!!**

Model Grade (55 points)

1. Neatness *All parts are firmly attached *Bright colors	0	5	10
2. Effort *Strong effort made *Project well-planned for time allotted	0	5	10
3. Accuracy *Parts look structurally real as they would stained under a microscope	0	5	10
4. Bibliography *Must be cited correctly Must include picture of cell used Must include fun fact Must be typed	0	5	10
5. Completeness (use back of sheet for this grade) *All parts listed are built			_____ /15

Oral Grade (45 points)

1. Name on it (show us) _____ /5
2. Does NOT have any labels on it _____ /10
3. Introduce your cell and explain what type of cell it is and it's function(s). _____ /10
4. Point to all structures IN ORDER with chart on back and name them with correct pronunciation. State the function of each part. _____ /15
5. Share 1 extra "fun fact" about your cell. Cite your source! _____ /5
6. Extra Organelles/non-styrofoam _____ Bonus

TOTAL: _____ /100