**Biology : Cellular Biology Outline**

**Day** **Subject / Activity**

1 *Introduction / Class Rules / Grading / Reading Outline / Textbooks*

*Laboratory Safety* / Studying Life

2 **LAB -** **Measuring With A Microscope** or Introduction To The Light Microscope

**LAB : The Enzyme Lab** or Enzyme-Controlled Reactions

3 Cell Features

**LAB : Comparing Plant & Animal Cells** or Membrane Channels (pHet Simulation)

4 Passive & Active Transport

**LAB : Observing Osmosis In Eggs** / *(HS-LS-1-2)* or What Conditions Do Cells Gain Water?

5 Cell Organelles

**LAB : Hardware Cells** or How Do Plant & Animal Cells Work?

6 **Assign Project** : Cancer Research Project

Photosynthesis

7 **LAB : Plant Pigments /** *(HS-LS-1-5)* or Light & Plant Growth?

Cellular Respiration

8 **LAB :** Eating & Exercise (pHet Simulation) / *(HS-LS-1-7)* or Energy In A Cell

The Cell Cycle & Mitosis

9 **LAB : Candyland Mitosis** / *(HS-LS-1-4)* or How Can Cancer Cells Be Recognized?

**Cancer Project Presentations**