**Bio.1.1 Understand the relationship between the structures and functions of cells and their organelles.**

Bio.1.1.1 Summarize the structure and function of organelles in eukaryotic cells (including the nucleus, plasma membrane, cell wall, mitochondria, vacuoles, chloroplasts, and ribosomes) and ways that these organelles interact with each other to perform the function of the cell.

Bio.1.1.2 Compare prokaryotic and eukaryotic cells in terms of their general structures (plasma membrane and genetic material) and degree of complexity.

Bio.1.1.3 Explain how instructions in DNA lead to cell differentiation and result in cells specialized to perform specific functions in multicellular organisms.

**Bio.1.2 Analyze the cell as a living system.**

Bio.1.2.1 Explain how homeostasis is maintained in a cell and within an organism in various environments (including temperature and pH).

Bio.1.2.2 Analyze how cells grow and reproduce in terms of interphase, mitosis and cytokinesis.

Bio.1.2.3 Explain how specific cell adaptations help cells survive in particular environments (focus on unicellular organisms).

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| Day #1 | Monday 9/8/14 | Return Unit #1 Tests and AnalyzeUnit #2 Vocabulary ListEgg lab Day #1 |
| Day #2 | Tuesday 9/9/14 | Egg lab Day #2Go over wordsData Analysis |
| Day #3 | Wednesday 9/10/14 | Egg Lab Day #3Vocabulary Flash Card RaceTriangle Puzzle RaceSocrativeBingo |
| Day #4 | THursday 9/11/14 | Egg lab Day #4Scribble warUnit Notes – Day 1 |
| Day #5 | Friday 9/12/14 | Vocab QuizUnit Notes – Day 2 |
| Day #6 | Monday 9/15/14 | Fuquay Varina Organelle High School Yearbook |
| Day #7 | Tuesday 9/16/14 | Unit Notes – Day 3 |
| Day #8 | Wednesday 9/17/14 | Activity Day |
| Day #9 | Thursday 9/18/14 | Unit Notes – Day 4 |
| Day #10 | Friday 9/19/14 | Lab/Activity Day |
| Day #11 | Monday 9/22/14 | Activity Day |
| Day #12 | Tuesday 9/23/14 | Lab Day |
| Day #13 | Wednesday 9/24/14 | Review Day |
| Day #14 | Thursday 9/25/14 | Unit #2 Test Day |