

**Cells, the Building Blocks of Life** (September 13- September 28)  
**Unit Test September 27<sup>th</sup> or 28<sup>th</sup>** (depending on class schedule)

Are we really one person, or a whole mix of tiny things all working together, or both?  
How are cells in muscle different from bone? What makes plant cells do different than animal cells? How does growing work? Do cells get bigger, multiply, or both? Welcome the wonderful and strange world of cells!!

Goals: (Answers can be found in the text in Chapter 3)

At the end of this unit, the students should:

- Know these vocabulary terms:
  - Organelles
  - Cell wall
  - Cell membrane
  - Nucleus
  - Chromosomes
  - Cytoplasm
  - Chloroplasts
  - Osmosis
  - Mitosis
  - Cell specialization
  - organism

Students should be able to describe the steps of cell division (page 89-91)

- Interphase
- Prophase
- Metaphase
- Anaphase
- Telophase
- cytokinesis

Projects and activities:

1. Mitosis animations using mobile computer lab
2. Looking at cells microscope lab
3. Mitosis dance September 27