Matter

1. Elements
   1. Atoms
      1. Structure
      2. Isotopes
   2. Molecules vs. Compounds vs. Mixtures
      1. Ionic compounds
   3. Chemical bonds & reactions
   4. Characteristics of acids/bases
      1. pH
      2. OH vs. H
      3. Buffers

Energy

1. Kinetic vs. Potential
   1. Chemical
   2. Electrical
   3. Mechanical
   4. Radiant
2. Law of Thermodynamics
3. ATP

Molecules

1. Inorganic
   1. Properties of Water
   2. Salts/Ions
      1. Electrolytes
2. Organic
   1. Carbohydrates
   2. Lipids
   3. Proteins
      1. Enzymes
   4. Nucleic Acids
      1. DNA and RNA

Resources:

* Notes
* Textbook
* Labs
* Youtube
* Websites:
  + <http://www.lrn.org/Content/Lessons/chemistry.html>
  + <http://highered.mheducation.com/sites/0072351187/student_view0/index.html>
  + <http://wps.aw.com/bc_marieb_ehap_10/178/45725/11705638.cw/index.html>
  + <http://sciencewithshust.weebly.com>

Test:

30 multiple choice questions/true false

1 short answer/analysis question

Opportunity for bonus point(s)

Day A: Tuesday

Day B: Wednesday

NEXT UNIT: CELLS!