

Unit Planner

Scientific Method, Biological Themes, Inorganic Chemistry

| Date | Day | Information Covered ~ Assignments ~ Homework Due |
|-------------|------------|---|
| Fri 9/9 | A | Course Information, Rules, Website/Notes Policy, Safety Contract, Science Fair Due Dates, Book Distribution |
| Mon 9/12 | B | What is Science?, Scientific Method Notes, Lab Report Format, Metric System Notes, Assign HW #1, Metric System WS (20) HW Due: Safety Contract (10) |
| Tues 9/13 | C | Biology Notes, Characteristics of Life WS (20) HW Due: Book Covers (10) & HW #1 (30) |
| Thurs 9/15 | E | Quiz (30), Inorganic Chemistry 1, Atomic Structure WS (20) HW Due: p7 #1-6, p15 #2-3 (10) |
| Fri 9/16 | F | Start Scientific Method Lab, Sophomore Assembly (Period 1) |
| Mon 9/19 | G | Inorganic Chemistry 2 HW Due: p 22 & 39 #1-6 (20) |
| Wed 9/21 | A | Inorganic Chemistry Worksheet (40) |
| Thurs 9/22 | B | Review |
| Fri 9/23 | C | Test: Science, Scientific Method, Biological Themes, Inorganic Chemistry (100) |

Essential Questions:

What is the goal of science?

How do scientists test hypotheses and how does a scientific theory develop?

What are some characteristics of living things and how can life be studied at different levels?

What three subatomic particles make up atoms and how are all of the isotopes of an element similar?

What are the two main types of chemical bonds and why are water molecules polar?

What are acidic and basic solutions?

Massachusetts Curriculum Frameworks:

1.1 Recognize that biological organisms are composed primarily of very few elements. The six most common are C, H, N, O, P, and S.