

Physical Science Topics Fall Semester

1. The Nature of Science (Chapter 1 and 2)
 - a. Scientific Inquiry
 - b. Measurement (qualitative and quantitative)
 - c. Graphing and Scientific Data
 - d. Lab Reports
 - e. Science vs. Technology
 - f. Scientific Credibility
2. Matter (Chapter 18 and 19)
 - a. Properties of Matter
 - b. Composition of matter
 - c. The Atom
 - d. The Periodic Table
3. Force and Motion (Chapter 3 and 4)
 - a. Motion, Velocity, Acceleration
 - b. Forces
 - c. Newton's Laws
 - d. Gravity
4. Energy (Chapter 5 and 6)
 - a. Conservation of Energy
 - b. Energy Transformations
 - c. Work, Power,
 - d. Machines, Efficiency, Mechanical Advantage