

# **8th Grade Physical Science**

## **Mr. Olson Room 301**

### **Physics First Quarter**

**Lab Safety (preparatory for high school environment)**

**Objects in motion, forces**

**Acceleration, speed, velocity,**

**Standards 1, 2, 9**

### **Chemistry Second and Third Quarters**

**Periodic Table**

**Basics of Atomic Structure**

**Atoms and Molecules, elements, compounds, mixtures, solutions**

**Acids and Bases**

**Structure, behavior and properties of liquids, solids, and gases.**

**Mass, Density, Volume, Weight**

**Standards 3, 5, 6, 7, 9**

### **Astronomy Fourth Quarter**

**Planets, Solar System**

**Composition of the universe**

**Solar, Lunar and Tidal cycles, Astronomical Units**

**Theories of origin of Universe, Solar System, Moon**

**Standards 2, 3, 4, 6, 9**

Grading: Based on an average of the cumulative points earned divided by cumulative points possible.

90-100 A

80-89 B

70-79 C

60-69 D

below 60 Fail

Tests and quizzes approximately 50% of grade.

Chapter Tests

Notebook quizzes: Open notes, to maintain accuracy in Science Binder.

Quizzes on various sub categories, vocabulary, elements, lab equipment

Standard specific tests (ie., parts of an atom)

Homework, projects, lab reports, class work make up remainder of grade.

Homework: usually Monday-Thursday nights, seldom on weekends (20% of grade)

Reports, projects and class work: vary with time and requirements

Late Work: points lost for work turned in late, 100% -50% off.

Extra Credit: Seldom, if ever.

I give a lot of points; keeping up with assignments should keep students in acceptable range.

Communication:

Email: I can usually respond the same day. [\*\*jolson@hartdistrict.org\*\*](mailto:jolson@hartdistrict.org)

Phone: voicemail, extension 301, or leave request for call with receptionist in office.

Individualized progress reports on request.