

## Mr. White's 8<sup>th</sup> Grade Science

### Syllabus 2011-2012

#### Course Outline:

The purpose of this class is to provide students an opportunity to learn and experience science topics. Also, it is to prepare you for high school science. The class will be organized in order to meet the needs and skills of all students while teaching science standards that are required by District 129 and the state of Illinois.

#### 8<sup>th</sup> Grade Curriculum

- **1<sup>st</sup> Quarter**
  - The Nature of Science (*Chapter 1*)
  - Inside the Atom (*Chapter 14*)
  - The Periodic Table (*Chapter 15*)
  - Atomic Structure & Chemical Bonds (*Chapter 16*)
  - Chemical Reactions (*Chapter 17*)
- **2<sup>nd</sup> Quarter**
  - Motion & Momentum (*Chapter 18*)
  - Thermal Energy (*Chapter 21*)
  - Waves – Sound & Light (*Chapter 24*)
- **3<sup>rd</sup> Quarter**
  - Traits & How They Change (*Chapter 2*)
  - Interactions of Life (*Chapter 4*)
  - The Non-Living Environment (*Chapter 5*)
  - Ecosystems (*Chapter 6*)
- **4<sup>th</sup> Quarter**
  - Plate Tectonics (*Chapter 7*)
  - Earthquakes & Volcanoes (*Chapter 8*)
  - Clues to Earth's Past (*Chapter 9*)
  - Geologic Time (*Chapter 10*)

#### Textbook

- *Glencoe Science – Level Blue*
  - ❖ Students will keep these textbooks throughout the year. It is your responsibility to take care of textbooks for the entire year. If you do not return them at the end of the year, or if there are damages to the book, fines will be charged.