**Earth Science Course Syllabus**

Mr. Tony Fiala

Room # 122

Conference – 3rd period

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**NOTE: SHS Open House is Thursday, August 21st, 5:30pm – 8:00pm.**

**Textbook:** Physical Science

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| **Online Access:** <http://www.glencoe.com/ose/> |
| **Access Code:** FC1F0F7A83 |

**Course Description:**

Physical Science provides students with the opportunity to learn about the natural world. Time will be spent studying the scientific method, motion, forces, energy, electricity, waves and chemical reactions.

**Course A+ Objectives:**

1. Demonstrate their understanding of the scientific method.

2. Describe and analyze motion of objects both mathematically and graphically.

3. Demonstrate understanding of Newton’s 3 Laws and apply them to various situations.

4. Relate kinetic, potential, and mechanical energy of a system.

5. Demonstrate an understanding of energy transfer from one form to another.

6. Analyze and describe the relationship between work, power, and efficiency.

7. Understanding atom history and structure, students will use the periodic table to predict properties of elements and determine trends in these properties.

8. Express understanding of bonding through diagrams of ionic and covalent bonds.

9. Describe a variety of substances in molecular terms by using a formula.

10. Apply the law of conservation of mass by balancing chemical equations.

**Material to bring to class everyday:**

Pencil (preferred) or pen (black or blue only)

3-ring binder with loose leaf paper

Text book

Any assignments/labs for the day/week

Colored pencils (you will be directed as to when to bring them to class)

**Assessment**

Students will be assessed using a variety of tools including, but not limited to, the following:

1. Tests and quizzes

2. Laboratory investigations

3. Homework and in-class assignments

4. Individual and group projects/presentations

Extra credit MAY be offered through additional independent activities.

**Homework Policy**

Missing assignments or failing assignments can be replaced by an alternative assignment. See teacher for these assignments for up to 80% credit.

**Test Policy**

Any low test score (below 70%) can be retaken during AIM class for additional credit (1/2 point for each point missed). *It is the student’s responsibility to schedule time to make up tests.*

**Absentee Policy**

Absentees will have two days to turn in makeup work. Work due on date of absence must be turned in on the day you return.

Students are responsible for obtaining any missed work.

Any missed tests will be completed upon your return to school.

**Grade Calculation: Total Points**

Assignments = in-class worksheets, homework, laboratory questions

Organization = binder checks, prepared for class

Tests and quizzes

Semester exam is worth 10% of your grade

**Grade Scale:**

A = 90 – 100%

B = 80 – 89%

C = 70 – 79%

D = 60 – 69%

F = 59% or below

**Classroom rules:**

1. Respect – You are expected to respect others, your teacher and yourself. This includes listening when others are speaking without interrupting, not making fun of others, being responsible for your actions and respecting the property of others. The goal is to provide a safe environment for everyone.

2. Honesty – Cheating is NOT acceptable and will result in an automatic zero on the assignment without an opportunity to make it up.

3. Punctuality – You are expected to be in your seat when the bell rings. If you are not, you will be counted as tardy. You will receive two freebies each semester before tardies will be counted. You are also expected to remain in your seat until dismissed by the teacher.

4. Hall Passes – You will receive five a semester. Use them wisely…after you use the five, they will start counting as tardies.

5. Preparation – You are to be prepared for class every day. That means having your binder, your pencil or pen (black or blue only), text book (if directed) and all due assignments. Failure to be prepared will result in a tardy/warning.