**9th Physical Science Syllabus**

**Topics Covered**

* Ionic & Covalent Bonds
* Phase Changes
* States of Matter
* Nuclear Reactions
* Factors Affecting Chemical Reactions
* Subatomic Particles
* Atoms, Ions, Isotopes
* Periodic Table
* Displacement & Acceleration
* Newton’s 1st, 2nd, 3rd Laws
* Force of Gravity
* Electric Forces
* Mechanical Waves
* Wave Energy
* Light
* Kinetic Energy & Heat
* Heat Transfer
* Motion of Charged Particles
* Electromagnetic Spectrum
* Law of Conservation of Energy
* Kinetic & Potential Energy
* Endothermic & Exothermic Reactions
* Transfer Electrons & Hydrogen Ions

**Textbook**

Physical Science: Concepts in Action, Prentice Hall; Online Links: PHSchool.com and SciLinks.org

**Grading**

\*Tests…given at the end of each chapter or lab unit.

\*Quizzes…may be announced or unannounced…may cover assigned readings, notes taken in class, or videos that may be viewed in class.

\*Daily Work/Lab Activities… generally completed in class (if time is used wisely), otherwise is assigned as homework, due the **beginning** of the next class period

\*Science Starter...bell ringer activities for each day. Science starters will be collected and graded every two weeks.

\*Vocab Builder…vocabulary builders will be given at the beginning of each chapter. Vocabulary is a key to understanding scientific concepts. This activity will be graded on completion the day of the lesson quiz.

\*Projects and Papers…guidelines will be discussed in class. Generally an initial work time will be given to be certain as to the procedures to follow for the project. Completion of these may require time outside of class. These will be long-term assignments.

\*Cheating/Plagiarism will not be tolerated and dealt with consistent with Centura policy.

\*Extra Credit will be given upon individual student request. Generally, extra credit isn’t allowed to make up for missing/late assignments. If a student has turned in all required work and is needs extra credit for passing it may be allowed on individual basis. These activities will be completed outside of normal classroom time.

\*Late Work will be dealt with according to the Centura Homework Student Support System.

\*Course Grade… Each assignment/test, etc. will be worth a certain number of points. Points will be tallied and percentage figured on total number points earned out of the possible total. The grading scale is consistent with the Centura handbook.

A—100-93% B—92-85% C—84-77% D—76-70% F—69-0%

**Absences:** For each UNEXCUSED absence you will receive a ZERO for any assignments due OR assigned that day, this includes tests. For each EXCUSED absence, you will receive a one-day grace period to turn work in. Labs & tests must be made up as soon as possible—make arrangements when you return. (The version of the test may be altered from the original version given in class.) YOU are responsible for getting any notes taken in class from one of your classmates. You are also responsible for checking with the teacher for any make up work you need (before or after class).

**Communication:** The best way to communicate with me is in person or via email. If you write a note for me don’t put it on my desk, I have a mailbox in the school office, or hand it to me personally. I am usually available before school by 7:45. After school I am involved in activities and sport practices so you would need to set an appointment with me if this is necessary. My planning period is 1st Period. Lesson plans and assignments are available on my website: <http://mrsrobinkeilig.weebly.com>.

**Technology:** Keep computers closed until directed to open them for class. Do not use your phone in the classroom. Occasionally you may be allowed to listen to music with one ear bud, you must get permission *each day* for this privilege.

**Acknowledgment:** By signing below, you acknowledge that you understand the information on the class syllabus and expectations.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature (Date) Parent or Guardian Signature (Date)

Contact Information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email Phone