**South Gibson County High School**

**Physical Science** **Spring 2018**

**Instructor Contact Information:**

Name: Rebecca Bowers Room #: 127 Voice Mail/Phone: 731-783-0999 ext. 3127

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**Course Description*:*** Physical Science is a study of the basic concepts addressed in Chemistry and Physics. The Chemistry aspects of the course will address atomic structure, the Periodic Table of Elements, chemical properties, chemical equations and reactions. Topics of study in the field of Physics will include Newton's Laws of Motion and calculations for measuring motion and energy. This course includes mathematics and solving equations.

**Supplies and Laboratory Fees:**

Composition Notebook, Binder, pencils, black or blue pens, colored pencils, calculator, and headphones for computer lab; cell phones should NOT be visible at all unless the instructor has given express permission to use it for instructional purposes.

A laboratory fee of $10 is collected for use of lab materials.

**Assignments and Grading Scale:**

* Informal Assessments: (lab assignments, quizzes, etc. - 20% of grade) Paired and group activities, laboratory experiments, and quizzes. These assignments reflect mastery in learning and should reflect the student’s understanding of individual concepts.
* Formal Assessments (evaluations/tests/ major projects- 80% of grade) Comprehensive, objective, and analytical evaluations based on the TN Curriculum of Standards for the course.**Progressive grading policies will be implemented so that scores may improve with evidence of mastery on subsequent assessments.**

**Classroom Expectations:**

I expect my students to:

* *follow all school and district policies (including policies regarding technology and outside food/drink)*
* *be respectful of the teacher, themselves, and others at all times; and follow common*

*rules of courtesy.*

* *be alert, prepared, and ready to participate in class. This includes having all materials, books, and assignments in class every day. Anyone entering the classroom after the bell rings will be counted tardy.*
* *be quiet and respectful when visitors are present, announcements are being made, or instructions are being given.*
* *follow all safety contract policies (Contract will be addressed prior to lab assignments)*
* *be responsible for your actions, schoolwork, and any make-up assignments, labs, quizzes, or tests missed due to absences.*

**Assignment/Assessment Expectations:**

* South Gibson County High School strives to be a training ground for college and career readiness. Therefore, all students are expected to complete all assignments that support the learning of the state standards and complete those assignments to an acceptable level of mastery and in a timely manner.
* In the event that a student does not complete assignments or projects on time, the grade will be reduced according to the date turned in.
* Students are responsible for earning their grades. However, should a student continually refuse to make reasonable efforts to complete the requirements for earning credit in the course, failure of a course is a possibility after all other measures to be successful have been exhausted.

**Academic Support:**

* **Peer tutors in the PASS program**
* **Focus-** academic support available to all students during the school day with teachers Monday & Friday (10:50-11:20)
* **Tutoring**- available by appointment before or after school

**Course Schedule Pacing Guide**

* Weeks 1-2: Scientific Method, Data Analysis, Lab tools/procedures, Scientific notation, Metric units and conversions
* Weeks 3-4: Classifying matter, Separating mixtures, States of matter, Phase changes, Chemical/Physical properties, Density
* Weeks 5-6: Properties of Liquids, Gas Laws
* Weeks 7-8: Atomic theory and structure, Periodic Table families and trends
  + Element Project

**Midterm Exams 3/9-3/10**

* Weeks 10-12: Atomic bonding, Chemical reactions, Naming compounds, Balancing equations
* Weeks 13-15: Calculating and graphing motion, Newton’s Laws
* Weeks 16-17: Mass vs. weight, Law of Universal Gravitation, Kinetic/Potential/Thermal energy

**Final Exams 5/23-5/24**

**Board Policy 4.400** Upon request, parents/guardians shall have the ability to inspect the following items: instructional materials; teaching materials; teaching aids; handouts; and tests that are developed by and graded by their child’s teacher. Parents wishing to inspect such materials should contact the building level principal in writing.

**Physical Science Syllabus Return to Mrs. Bowers**

**Student’s name (print)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student’s signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian name (print)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**