**Physical Science**

**Fall 2019**

**Mrs. Drane**

**Taliaferro County High School**

Course Description: Physical Science is a lab-based course, with roughly the first nine weeks focusing on Chemistry concepts. This includes but is not limited to the periodic table, the atom, chemical formulas, and chemical reactions as well as how the four topics relate and support each other. Roughly the second nine weeks focuses on Physics concepts. This includes but is not limited to properties of matter and energy, the relationship between forces and motion. Special emphasis is also placed on heat energy and its application to work, power, and machines. Students will take three benchmark exams during the year in preparation for the End-of-Course Test at the end of the semester. **Please retain all materials from class to help review and prepare for this test.**

Materials Needed: 3-ring binder, paper, pen or pencil, coloring utensils, calculator, composition notebook

Textbook: **Physical Science: Concept In Action** by Prentice Hall. Replacement Cost: $75

Grading: **Course Work = 80% of grade EOCT = 20% of total grade.**

**Course work breakdown**

Tests and Projects 40% EOCT 20%

Quizzes 20%

Labs 25%

Homework and Class work 15%

Total 100%

**Tests-** multiple choice, matching, true/false, and free response questions

**Quizzes-** same format as tests; once per week usually

**Labs-** once per week usually; graded based on participation, lab questions, and drawings. Misbehavior will not be tolerated in lab. See lab safety contract for information on proper lab behavior and rules.

Makeup Policy: It is the student’s responsibility to find out what was missed during an absence. All makeup work should be turned in within one week of their return. I will deduct 10 points per day late beyond that. **I will not accept late work beyond 3 days of the due date.** If you will be out for an extended period of time, please call the school to have your assignments prepared for pickup. Makeup tests and quizzes are only given before or after school so you do not get further behind. **Makeup lab assignments you are to see your teacher and either complete the lab or an alternate assignment which is to read a scientific article and do a 1 page report on the article.**

Availability: I am available any day before school and after school until 4:00 pm. I will stay later with you if I need to. If you are having problems with any concept, please ask for help. I won’t know you don’t understand until it’s too late if you don’t tell me.

Calendar:

Science Systems and Nature of Science Week 1

States of Matter and Phase Change Week 2

Atomic Theory Week 3

Periodic Table Week 4

Chemical Bonding/Formulas Weeks 5 & 6

Chemical Equations Weeks 6 & 7

Acids/Bases/Salts & Solution Chemistry Week 8

Radiation / Nuclear Chemistry Weeks 9

Force Weeks 10 & 11

Motion Weeks 11 & 12

Work/Power & Simple Machines Weeks 13

Energy, Heat and Temperature Weeks 14

Waves Weeks 15

Electricity and Circuits Week 16

Magnetism Weeks 16

EOCT Review and EOCT Weeks 17 & 18

Review & Final Exams Week 18

Rules and Expectations:

1. **Be prepared.** This includes bringing all materials to class, any homework assignments, and being prepared for the day’s work.
2. **Be respectful.** This includes being respectful when others are talking and respecting other people’s belongings.
3. **Be on time.** This will allow you to be prepared to start class when the bell rings. Excessive tardies will result in disciplinary action from the front office.
4. **The teacher dismisses class, not the bell.** Do not pack up or line up at the door before the bell rings. I will let you know when class has ended.
5. **Try your best.** You should always work to the best of your capacity. Every person should strive to do their personal best without regard to how well your friend may have done.
6. **All school rules should be followed.** We will hit the high lights of the Student Handbook together on the first day to ensure everyone understands. These apply everyday. **Please remember: no cell phones, no food, no drinks, no cards, no hats, and no music players.**

Consequences: 1st offense- Warning

2nd offense- Student conference and/or parent contact

3rd offense- Parent conference

4th offense- Office referral

**These rules and consequences are subject to change without prior notification!**

Passes Out of Class: Each student will get **one emergency pass out of class per month**. Students should visit lockers and restrooms before class or after. Students need to be in class as much as possible to do well.

Contact Information:

Phone 706-456-2575 Taliaferro County Schools

Email [mdrane@taliaferro.k12.ga.us](mailto:mdrane@taliaferro.k12.ga.us)

Room 304

Dear Parents,

I look forward to having your student in my class this year. I am certain we will have a wonderful semester together learning about Physical Science. Please know that we are working toward a state-mandated End-of-Course Test in May, worth 20% of the student’s grade.

Physical Science is a cumulative course and students should be prepared for this. Please retain all materials given out in class, all old quizzes/tests, and all notes in preparation. We will be completing several projects throughout the semester. Your student is expected to fully participate in order to gain a better understanding of the science concepts being handled by each project. If for some reason you feel that the projects cause undo stress on your family please contact me as soon as possible and prior to the due date, to arrange for possible alternatives.

If for any reason you need to contact me, please feel free to do so anytime. I welcome contact from parents for any reason. I’d love to have your email address, if you have one or a phone number to reach you.

Again, I am pleased to have your student in my class this year.

Sincerely,

Millicent Drane

By signing below I acknowledge that I have read Mrs. Drane’s Physical Science syllabus and understand its contents. Parents: please provide an email address or phone number for me to get in touch with you, if needed.

**Return this portion of the syllabus by Monday, August 6, 2018.**

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Student Signature Parent Signature

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Date Parent Email

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Phone Number