

Physical Science Syllabus 2014-2015

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Course Overview:

Physical Science is the study of the physical world. We will study the major concepts of physics and chemistry. The course requires some algebra skills and is a year-long class. The emphasis of the course is an understanding how and why things happen as they do. Physics topics covered are motion and force, work, energy, thermodynamics, waves and sound, and the electromagnetic spectrum. Chemistry topics include properties and states of matter, atomic structure, periodic table, chemical bonds and reactions, solutions, acids and bases, and carbon and nuclear chemistry. The course will utilize lab, inquiry, reading and class activities to study these topics. Emphasis will be on applying what is learned to real world situations and the development of the student's analytical thinking and problem solving skills.

Required Supplies:

- Pencil and pen, 12" ruler, 3x5 " index cards, 3 ring binder, loose leaf paper, graph paper (4 or 5 squares per inch)
- Scientific Calculator – Must have exponents, square roots, and scientific notation. (Does not need to graph)

Students will not be allowed to use their electronic devices as calculators during tests or quizzes.

Calculators will not be provided by the instructor and they will be used almost every day.

Grading Scale:

The grade for this class is based on points and will be weighted according to the following targets each quarter.

50% Assessments- Tests, Quizzes, Free Response Essays

25% Labs, and Lab Reports, Projects

25% Classwork, Homework and Participation (Class and Lab)

Grading Notes:

The Semester exam and Final exam will be weighted according to District Guidance and will be a set percentage of the overall total semester grade (currently 20%). Assignments need to be submitted on loose leaf notebook paper (3 holes). Assignments submitted on spiral notebook paper will be docked 10%. Parents are able to check the student's grade through ParentLink, at <http://parentlink.leeschools.net/>. If you need assistance accessing ParentLink, please contact the school. The meanings of common codes are:

- Z = A missing assignment - counts as a zero, **but may be made up** (until the unit test)
- X= An assignment that does not have to be made up – it does not enter into grade calculations at all
- 0 = An assignment with a score of zero or that was not turned in an cannot be made up

Late Work:

Late work is detrimental to any student's learning. The following policies will be strictly enforced:

- Assignments for excused absences can be made up with no penalty per Lee county guidance.
- Assignments are due when you walk in the door for class to receive full credit. If you left your assignment in your locker or car, etc., you will not be given a pass to get it. Assignments turned in by the end of the day on the day they are due will be accepted for a 10% deduction
- **Late assignments will not be accepted after the due date.**
- Missed exams must be made up outside of regular class time.
- All make up work/late assignments **must be turned in prior to the end of the unit of study.** All assignments not turned in by the unit test will receive a grade of zero.
- Mercy Rule. Students will have the opportunity to turn in 1 late assignment per quarter due to extenuating circumstances.

Labs:

This class is a lab intensive subject, and you are expected to be present during all class periods. Should you miss a lab; you will be required to make the lab up after school or complete an alternative assignment at the teachers discretion.

Academic Integrity:

Students are expected to complete their own work. Any student who is caught copying another student's work, allows another person to copy their work, or plagiarizes other authors works (this includes cutting and pasting from the internet) will receive an automatic zero on the assignment in question and will result in a discipline referral and parental contact.

Textbook: Pearson Physical Science – Concepts in Action

Science Classroom Rules

Behavior

1. Be in assigned seat ready to work BEFORE the tardy bell rings.
2. Begin daily bell ringer immediately upon entering class.
3. NEVER argue or talk back to the teacher!
4. Come to class each day prepared with your textbook, loose-leaf paper, graph paper, pencil and pen, calculator, three-ring binder, and assignments. Organize and keep all work your binder.
5. No form of disruptive behavior will be tolerated.
6. Save questions until after roll is checked.
7. Work only on physics in class & don't close up early.
8. I will dismiss you (not the bell); leave chairs pushed up, put books away, & leave your area clean.
9. NO gum, food, drinks, or candy may be brought into class.
10. Use the restroom before coming to class. Restroom passes will only be issued for emergencies.
11. Place Book bags, purses, and extra binders on the floor. The desk is your workspace.

Assignments - No credit will be given unless:

1. Assignments must be COMPLETE to receive credit.
2. NAME, DATE, and PERIOD must be written in the upper right corner and assignment must be written on the top line to the left or points will be deducted (usually 10%). Papers with no name might not receive credit.
3. All assignments must be TURNED IN, or coordinated with the teacher BEFORE LEAVING SCHOOL for appointments, field trips, etc in order to receive credit.
4. YOU ARE RESPONSIBLE FOR YOUR MAKE UP WORK due to absences so check the board each day pick up work from the teacher, & schedule missed tests the day you return to school.
5. All missed labs will be made up AFTER SCHOOL & tests made up BEFORE OR AFTER SCHOOL.
6. Place assignments in the basket with the name side facing up! NEVER go through papers in the turn in basket.
7. Students will not be allowed to turn in assignments after taking the unit exam.

Testing:

1. Clean & remove everything from your desk before testing.
2. Cell phones may NOT be used during testing for ANY reason.
3. Cell phones are to be away during testing (book bag, purse)
4. Dividers are to be put up between you and your partner if you are at a table.
5. When you are finished with your test, place it face down and wait silently.
6. Remain silent until every paper is turned in so your fellow students can focus.
7. REMAIN in your seat during the test unless instructed otherwise. (No passes will be issued during testing)
8. Use ONLY PENCILS to take scanned tests. Have 2 pencils and your calculator with you on test day.

Parent/Guardian: Please sign below after you have read the syllabus.

Student's Name _____

Parent Signature _____