

Mr. Barrett's Physical Science Class

Welcome everyone! I am looking forward to an exciting semester in Physical Science. This semester will be full of learning, fun, hard work, and cool labs. The following information is provided to you and your parents/guardians so that you know what is expected of you this semester.

Behavioral Expectations

1. Refrain from talking while anyone else is speaking in class. Raise your hand and wait to be called on.
2. Come to class prepared.
3. Come to class on time.
4. Be respectful to everyone in the room
5. No food and drink are allowed in Lab.

Discipline

Anyone not adhering to the Student Code of Conduct is subject to disciplinary procedures. Respecting each other is the best way to prohibit any bad behaviors. The following are the consequences:

1st Action: Warning.

2nd Action: 1 on 1 meeting between teacher and student.

3rd Action: Phone call home and request for a Parent-Teacher Conference.

4th Action: Referral to the office for non-compliance.

The Flipped Classroom

The flipped classroom is a learning model where the typical lecture and homework elements of a course are reversed. Short video lectures are viewed by students at home before the class session, while in-class time is devoted to exercises, projects, or discussions.

Grading

Quarterly grades will be calculated using the following criteria:

| | | |
|-------------------------|-----|------------|
| Tests/Projects..... | 40% | A = 90-100 |
| Classwork/Homework..... | 30% | B = 80-89 |
| Quizzes/Labs..... | 30% | C = 70-79 |
| | | D = 60-69 |
| | | F = 0-59 |

Your semester work is worth 80% of your overall grade. There is a final exam at the end of the course worth 20% of your overall grade!

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Turning in Work

This is to be done at the beginning of class in the box labeled, "Turn in Work." Late work will be accepted, but you will not receive a grade unless it is late because of an excused absence. All work will be located on Google Classroom (Code: _____) and it is YOUR responsibility to find out what you missed. You have three school days to make up work. This includes labs, tests, and quizzes. If work is not completed in this three day window, you will not receive credit. If you need to make up a test or quiz, it must be arranged before or after school. The three major assignments: Guided Outlines, Notes and Vocabulary are due every Friday, which is Test Day.

Supplies

Every day bring a pen or pencil, your textbook, and your notebook (with paper). No excuses.

Notebook

Your 3 ring binder (at least 1") should be organized by three dividers:

1. Class Information
2. Notes
3. Vocabulary

****Keep up with these documents through the entire semester, since the Final Exam is cumulative.****

Phones

No phones are allowed in class.

Tutoring

I offer tutoring before school from 7:45-8:10 Monday through Friday. If you need to meet after school we can make arrangements.

*Students, Parents or Guardians! By signing below, you are acknowledging you have read and understand the information in this syllabus. If you have any questions now or wish to contact me later, please email me at davidbarrett@ccs.k12.nc.us

Student Signature

Date

Parent/Guardian Signature

Date

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Course Schedule

Below is a rough outline of the course schedule, broken down by units and corresponding tests.

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| Physical Science Essential Standards Pacing Guide |
| Text Book: <u>Prentice Hall Physical Science</u> |

| Units: Topics Clarifying Objective | Number of days (4x4) |
|---|--------------------------------------|
| <u>1</u> : Intro to Science, Density, States of Matter, Physical & Chemical Changes PSc.2.1.1, PSc.2.1.2, PSc.2.1.3, PSc.3.1.1 | 14 days + 2 assessments |
| <u>2</u> : Atoms and Periodic Table PSc.2.1.4, PSc.2.2.1 | 6 days + assessment |
| <u>3</u> : Chemical Bonding and Nomenclature PSc.2.1.4, PSc.2.2.2, PSc.2.2.3 | 6 days + assessment |
| <u>4</u> : Balancing and Types of Chemical Reactions PSc.2.2.4, PSc.2.2.5 | 5 days + assessment |
| <u>5</u> : Acids, Bases, and Solutions PSc.2.1.2, PSc.2.2.6 | 5 days + assessment |
| <u>6</u> : Radioactivity PSc.2.3.1, PSc.2.3.2 | 3-4 days + assessment |
| <i>Midterm</i> | Optional |
| <u>7</u> : Motion PSc.1.1.1, PSc.1.1.2 | 4-5 days + assessment |
| <u>8</u> : Forces PSc.1.1.2, PSc.1.2.1, PSc.1.2.2, PSc.1.2.3 | 5-6 days + assessment |
| <u>9</u> : Electricity and Magnetism PSc.3.3.1, PSc.3.3.2, PSc.3.3.3, PSc.3.3.4, PSc.3.3.5 | 8 days + assessment |
| <u>10</u> : Work, Power and Machines PSc.3.1.3, PSc.3.1.4 | 4 days + assessment |
| <u>11</u> : Energy and Heat PSc.3.1.1, PSc.3.1.2 | 4 days + assessment |
| <u>12</u> : Waves and Electromagnetic Spectrum PSc.3.2.1, PSc.3.2.2, PSc.3.2.3, PSc.3.2.4 | 4 days + assessment |
| <i>Final Exam</i> | 2 days + assessment + 1 day analysis |

Supply Wish List

These supplies are things that will be used throughout the semester by your student in his/her Physical Science Class. Any donated items will be much appreciated.

- Glue sticks
- Scotch tape
- Masking tape
- White index cards
- Post-its
- Pencil sharpeners
- Paper plates
- Icing
- Skittles
- Plain M&M's
- Cookies
- 3 Muskateer Bars (all sizes)
- Twizzlers
- Aluminum Foil
- Calculators
- Colored Pencils
- Markers
- Pencils
- Dry Erase Markers
- Dry Erase mini Boards
- Sharpies
- Tissues
- Cups
- Scissors
- Card Stock
- Copy Paper
- Notebook Paper

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