**CP Physical Science Syllabus                2024-2025 Academic Year**

**Teacher: Ms. Wendler**

**Location: Rm. C318**

**E-mail:** [**awendler@esdk12.org**](mailto:awendler@esdk12.org) **(best contact)**

**Website:** [**https://www.elizabethschooldistrict.org/Page/3006**](https://www.elizabethschooldistrict.org/Page/3006)

**Phone: 303-646-8155 MAIN OFFICE: 303-646-4616**

**Overview**

Physical science is found in every aspect of daily life; from our own existence to everything we see and touch, natural or man-made. We will focus on introductory physics and chemistry, exploring topics such as the structure of matter, energy and work, and laws of motion. These topics will be explored using on-line and textbook resources, inquiry, problem-solving, and lab investigations and student projects.

**Content or Science Topics:**

|  |  |
| --- | --- |
| Lab Safety, Scientific Processes, and Variables  Intro to Chemistry-Atoms/Molecules/Compounds  Types of bonds  Physical/Chemical Change and Reactions  Nuclear Reactions  Laws of conservation of mass and energy  Forms of energy-Mechanical, chemical, electrical, radiant, thermal, and nuclear.  Acids/Bases | Density as a characteristic of Matter  Newton’s Laws of Motion and Gravitation  Energy/Power/Work/Machines  Efficiency and Machines  Properties of Light and Sound  Electricity  Magnetism  Electromagnetism |

**Required Materials:**

* A notebook, binder, or section in a binder to **complete classwork/homework**, **for this class only**.
* A folder, a binder, or a section in a binder in which to **store handouts for this class only**.
* **Calculator**
* Writing utensils –A variety of pens/pencils, highlighters.
* 2 Expo Markers, any colors,  to use in class for various activities
* **Goggles.** Use this link if you would like to purchase your own (due to COVID-19)
* <https://www.homesciencetools.com/product/chemical-safety-goggles-anti-fog-adult/#description-anchor> - optional
* **Earbuds** that are chromebook compatible. Available at the $$ store or other places.
* **Kleenex Box** (optional but greatly appreciated) to be donated for the classroom
* **Hand Sanitizer Bottle** (optional but greatly appreciated) to be donated for the classroom

**We will decide on some rules together. Here are some basics:**

1. Be on time and prepared for class.
2. **Cell phone and Earbud** use is for work purposes only. They should remain in backpacks and be muted unless needed or permission is given. Parents please note that you are not supposed to contact your children via cell phone during school time. If you need to reach them please call the front office!
3. Water bottles are allowed. Snacks are also allowed **during certain class times**. If a mess is ever made it is up to you to clean it thoroughly and I retain the right to revoke snack privileges.
4. Be respectful of other students, the teacher, supplies and all equipment/furniture.

**Classroom Procedures:**

Entering Class-Start work immediately by getting prepared for class and starting your warm up. Follow directions, participate appropriately, stay present and connected.

Cell Phones and Other Electronic Devices

Please bring your phones to class as we may use these as learning tools. **They must be muted**, not set to vibrate. I will also ask that they are **out of sight in backpacks.**  Many students have privacy policies in place and **are not allowed to be photographed.**  Do not randomly take pictures or record the class unless **you authorize it with m**e. That is a violation of privacy. **No texting and checking messages during class please**. Consequences will apply such as placing your phone on my desk for the remainder of the class as a first offence.

Restroom

You must **ask or signal** to use the bathroom or leave class. You will only be allowed to leave during independent work time. **YOU MUST SIGN IN/OUT, AND TAKE THE PASS.**Only one person will be allowed to leave class at a time. Unless there is an emergency you are not allowed more than one bathroom trip in a class period. You must have a **yellow hall pass** to go to the nurse/office or other place in the building. I can only authorize and fill out a pass for you at appropriate times, not will I’m instructing.

Homework and Late Work Policy:

The school late work policy is as follows:

Unless previous arrangements have been made, all work not turned in on its due date is

considered late if the student was present in class.

Late work turned in one class day late will receive up to 75% of the total possible points for the

assignment.

Late work turned in to the teacher by the end of the unit, or within two weeks of the original

due date (whichever is shorter) will receive up to 50% of the total possible points on the

assignment. After that, a zero is recorded for the assignment.

There may be exceptions to this policy if the student emails the teacher before the assignment

is due and explains any extenuating circumstances causing the student to miss the due date.

Regarding long-term projects or assignments, given three or more weeks before the due date,

late work will not be accepted.

Absence Policy

Please email me if you want your work while you are absent, otherwise all absent work will be placed in the black “absent work bin” labeled with your name and period for when you get back. You may also check google classroom during your absence for online assignments you miss and check with other students on work you missed. Warm ups and exit tickets do not need to be made up after an absence.  You have as many blocks as you were gone from class to receive and do work. I will not seek you out to make sure you’re getting caught up, you must be responsible for that!

Grade weights:

Grades will be weighted to emphasize the most important categories.

* Homework - 2 per week (for roughly 9 weeks)

30%

* Participation – everyday (roughly 46 days) = 5 points each
* Experiments – 3 total = 25 points each
* Lab Reports – 3 total = 50 points each
* Activities/Worksheets – Will vary in quantity and in worth
* Quizzes – 8 total – 10 points each

70%

* Tests – 4 total – 100 points each

Note: at the end of each semester, the final is worth 20% of your overall grade but will be partially cumulative (25%) and partially new material (75%)

BUT I drop your lowest quiz score.These assignments that will be dropped will not be shown on infinite campus as dropped until the end of the semester when all grades are in, so please don’t panic about a bad quiz dropping your entire grade, just come see me to talk it over.

Tests

We will have quizzes to check understanding. Some of these may be unannounced.  I will let you know when tests will take place.  We will  review as necessary, however, I expect students to look over their notes for about 15 minutes every night. This is for your benefit – the more you study, the more likely the information is to get into your long-term memory. This will improve not only your grades on tests, but you will remember and understand the material for longer!

Getting help and make up work

There are many opportunities during the school day and week for students to talk with me, get homework help, pick up missing work, and take quizzes or tests.

* Before school, after school, over email, and Homeroom
* **Not:**between classes or during class instruction
* **There will be no lab makeups. They may be excused or alternate assignments assigned.**

**PLEASE FILL OUT THIS LAST PAGE AND RETURN THIS PAGE ONLY!!!**

**Student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block\_\_\_\_\_\_ CP Physical Science**

**(first and last)**

**Please keep the syllabus for future reference, but hand this page back to Ms. Wendler**

**Student Signature**

I have reviewed the syllabus and I understand what is expected of me.

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parent/guardian Signature**

I have reviewed the syllabus and I understand what is expected of my student.

Name of parent\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/guardian signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**★CELL PHONE POLICY★**

Please be aware that having phones on desks or in pockets tends to be a major distraction for students. I ask that students **keep their phones muted and in backpacks** unless we are using them for work. Students should **not have earbuds in their ears** unless we are using them for class work. Parents, if you need to contact your student for a particular reason or an emergency, please contact the office at 303-646-4616. Otherwise your student may not receive the message until after class.