Kennedy High School

Physical Science Syllabus

Class: Physical Science

Teacher: Mr. Weinberger

Location: Room C312
Phone: 952-681-5164
Email: rweinberger@bloomington.k12.mn.us

Office Hours: Tuesday 7:00-7:45pm  Wednesday 2:20-3:00pm  Friday 7:00-7:50am

***In lieu of a supply list, a donation of $15 is requested to offset the cost of consumables***

Course Description
In this course, students will be introduced to chemistry and physics. Students should be prepared for an interactive class that will include hands-on activities and group discussions. Students are expected to come to class with a willingness to learn. Regular attendance in class is vital and mandatory to ensure a quality educational experience. Students will either get online access to a book or have one checked out to them. They must read the book.

<table>
<thead>
<tr>
<th>TOPICS</th>
<th>TARGETS –</th>
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| **Unit 1** –
Chapter 1: The Nature of Science
1-1 Methods of Science
1-2 Standards of Measurement
1-3 Communicating with Graphs
1-4 Science and technology | 1. Metrics: Base Units & Conversions
2. Scientific Method: Parts and Application
3. Applying Metrics: Choose and Correctly Use |
| **Unit 2** –
Chapter 14: Solids Liquids and Gases
14-1 Matter and Thermal Energy
Chapter 15: Classification of Matter
15-1 Composition of Matter
2. Changes of Matter: Physical & Chemical
3. Properties of Matter
4. Composition of Matter |
| **Unit 3** –
Chapter 16: Properties of Matter & Periodic Table
16-1 Structure of the Atom
16-2 Masses of Atoms
16-3 The Periodic Table
Chapter 17: Elements and Their Properties
17-1 Metals
17-2 Nonmetals | 1. Structure of An Atom
2. Isotopes
3. Periodic Table
4. Metal vs Nonmetal & Characteristics of Each |
| **Unit 4** –
Chapter 18: Chemical Bonds
18-1 Stability in Bonding
18-2 Types of Bonds
18-3 Writing Formulas & Naming Compounds | 1. Ionic Bonds
2. Covalent Bonds
3. Types of Chemical Reactions
4. Balancing Equations
Test will be in Term 2 |

Grading

20% Homework  There will be about 15 assignments: 1pt for being done and 0 pts if not done. We will correct and fix any mistakes as homework is practice. Statistics show that a very high percent of students who do not do their homework perform poorly on tests.

70% Unit Tests  10% Final Exam

A = 100 – 94%
A- = 93 – 90%
B+ = 89 – 87%
B = 86 – 83%
B- = 82 – 80%
C+ = 79 – 77%
C = 76 – 73%
C- = 72 – 70%
D+ = 69 – 67%
D = 66 – 63%
D- = 62 – 60%

59% and below does not meet minimum requirements.
Opportunities for extra help: Students are welcome to come in before or after school for extra help. They may also request to come in for academic seminar on Thursdays. If students just need extra time, but not necessarily help, they can request lunch lab to do work or make up test.

** Physical Science is required to graduate! **
CLASSROOM PROCEDURES
1. **Beginning of Class:** Be on time! (Tardy students will not be allowed to enter class without a pass. Sit in your assigned seat. Have your materials ready (book, paper, pencil/pen, planner). Complete the beginning of class activity.

2. **During Class:** Work on activities and assignments during class. Use your time wisely! Actively participate with your lab group and during discussions.

3. **Leaving Class:** If you need to leave class, ask the teacher at an appropriate time. No one will be allowed to leave the classroom in the first and last 15 minutes of class. Abuse of pass use (gone longer than 5 minutes, not returning to class, etc.) will result in losing your pass privileges.

4. **End of Class:** Clean up your materials and throw away garbage. Participate in the wrap up activity. Remain seated until the teacher dismisses you. Push in chairs as you leave.

CLASSROOM EXPECTATIONS
1. **Follow ALL school policies and expectations that are covered in the student handbook.**
   - Specifically: no electronic devices, no headwear

2. **Students are expected to be respectful of all class members** (including students, teachers, other staff, administrators, and guests) **and of all school property** (including desks, chairs, walls, books, flooring, and any equipment or electronics).

3. **Students are expected to complete all work and take all tests on designated dates.**
   - **For excused absences:** It is the student’s responsibility to get their make-up work and schedule make-up tests outside of class time (before/after school, lunch lab, corrective advisory). Missed work must be made up within 3 days after returning to school for full credit. Any work due on the missed day(s) must be turned in the day you return to school.
   - **For unexcused absences:** No credit will be given for work done on a day that a student was absent for unexcused reasons.
     - A student who is absent without lawful excuse for three or more class periods will be placed on a watch list and will become temporarily ineligible for all co-curricular activities until they have made up the academic time. The student’s parents/guardians will also be contacted.
     - A student who has accumulated four or more unexcused absences in a class will not earn credit for that class unless the student makes up the academic time.
     - Academic time can be made up during teacher office hours, after school tutoring, and/or corrective advisory.
   - **For late work:** Late work passes can be used for the opportunity to receive full credit on the completed assignment (staple the pass to your work). All other late work can be turned in for ½ credit on the day after the due date. NO OTHER LATE WORK WILL BE ACCEPTED.

4. **Students are expected to participate in lab activities, and follow established safety regulations.** These regulations will be covered in more detail before and during labs. Failure to follow these regulations may result in removal from this class. Students will be responsible for any equipment damage due to their negligence.

5. **Students are expected to accept the consequences of their misbehavior.** The teacher will follow specific steps to help students correct their misbehavior. First, the student will receive 2 verbal warnings. On the 3rd offense, the student will be asked to complete a restitution form (see below). The teacher may also have a short meeting with the student after the form is completed. If the misbehavior continues after that, the student will be removed from class (office referral). The parents/guardians may also be contacted.

CONTACT INFORMATION
I am always available to help students with questions on their science work. Parents/guardians may contact me with questions and to get updates on their students academic progress. You can contact me in several ways:
- Phone Number: *(Currently without a working number)*
- Email Address: bbatterm@bloomington.k12.mn.us
- Office Hours: Room C208 – before school (7:15-7:45 a.m.) and after school (2:20-2:45)
The previous pages have been a description of the general course information for Physical Science.

By signing this form, you agree that you have read though the course syllabus for Physical Science and understand the school’s attendance, behavior, and academic policies written in the student handbook.

Student: You also agree to follow all of (teacher name) class expectations

Parent/Guardian: You agree to help your student follow these expectations.

Please feel free to contact me at any time with your questions or concerns at (phone number) or (email address).

Class Hour ___________________

Student’s Name (Print) _____________________________________________________________

Student’s Signature ___________________________________________ Date ________________

Parent/Guardian’s Name (Print) __________________________________________________

Parent/Guardian’s Signature _______________________________________________________

Daytime Phone _________________________

Evening Phone _________________________

Email Address _________________________

** Bring this sheet back signed for 5 class points. **

This paper is due on Monday, September 12th.