

Physical Science

Instructor: Mr. Brad Amundson
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Office: 223 J
Classroom: 224 J
Free Hours: 4A, 3B, 4B; before and after school (when I am not coaching)

Course Description:

This year in Physical Science we will be learning about periodic law, chemical formulas, chemical equations, solutions, simple machines, heat, light, waves, and electricity. Students will use formulas and mathematical manipulation to develop and demonstrate their knowledge.

Assignment Breakdown and Grading Scale

A = 100 – 90%
 B = 89 – 80%
 C = 79 – 70%
 D = 69 – 60%
 F = 59 – 0%

Homework/Quizzes/activity labs – 30%

Tests/Practicum labs – 70%

Assignments and Practices

- PRACTICE IS NOT GRADED but will help you learn the standards and learning objectives for the unit
- ASSIGNMENTS ARE GRADED!!! They are meant to provide you feedback on what you know and still need to learn for the standards and learning objectives being covered in the unit.
- Assignment Completion: *All assignments must be turned in on time!*
 - If an assignment is turned in on time you have a possibility of 100% credit earned.
 - All other assignments are considered LATE. You can receive up to half credit for a late assignment until the day of the Unit Exam.
 - Students should keep all returned assignments until each quarter grade is issued. This is your evidence to refute any errors that may arise in evaluating your grade.

Quizzes and Exams:

- Quizzes - are assessment check points on standards and learning objectives and are meant to provide you feedback on what you know and still need to learn for the unit.
 - **There are NO quiz retakes**
- Exams – Unit exams are a summative assessment to determine if you have learned the standards and learning objectives covered in the unit. Your grade is PRIMARLY based on unit exams as they show what standards and learning objectives you know!
 - ONE exam retake maybe taken per unit. To retake an exam, the student must complete practices to help them learn the material they did not know for the exam before they can retake it.
 - The retake must be completed within 7 days of the original exam.

3 Expectations:

1. Do the Right Thing
2. Treat others the way you want to be treated
3. Make it Right

Electronics:

- Cellphones are not in use during class and will be taken away if they are used!
- iPads can be used only for educational purposes and when appropriate. If asked to get off no questions asked, or detention could be a result.

Hats and Hoods:

- Hats/Hoods will NOT be worn in the lab or during quizzes and exams.

Absences

1. General absences
 - a. Work and notes missed in class will be posted online for you to access and complete. Do not come the next day and ask for your assignments without checking the website first. Most things will be posted by 4:00 if not sooner.
 - b. You have 1 day plus the number of days you missed to complete work for full credit.
2. Extra-curricular absences
 - a. All work must be completed **before you leave** for your extra-curricular activities. If not it, is incomplete until turned in and then it will be a 0. THIS INCLUDES EXAMS!!
3. Exams
 - a. If a student is gone for an exam it must be made up as soon as possible.
 - **If a student is gone the day before a test and only that day, they will make up the test the day they return to school NO EXCEPTIONS.**
 - b. All make-up exams will be different from the original, usually in an essay format.

Tardies: You must be seated and ready to begin before the bell rings!

If you are tardy, you shall receive at least 15 minutes of detention that will be made up with the instructor within one school day. After 5 unexcused tardies, you will receive 1 day unexcused absence and detention.

Activities/Club Eligibility:

- It is YOUR responsibility to complete all the required schoolwork for this class. That means that this class is a higher priority than your club or activity.
- Per the new policy, if you are failing this class but complete a retake or submit missing/late assignments that follow the above policy, you COULD earn a passing grade.
- It is YOUR responsibility to keep track of your grades and submit all make up or late work as needed.
- ALL EXAM RETAKES, MAKE-UP EXAMS, MAK-UP OR LATE WORK completed will NOT BE GRADED UNTIL THE NEXT GRADING PERIOD (Thursday grade pull)

Materials:

You will be expected to bring these materials every day:

- Textbook
- Pencil
- Notebook for class notes

Chapters and Topics Covered:

Semester 1: Chemistry

Chapter 1: Science Skills/Scientific Method

Chapter 2: Properties of Matter

Chapter 4: Atomic Structure

Chapter 5: The Periodic Table

Chapter 6: Chemical Bonds

Chapter 7: Chemical Reactions

Chapter 8: Solutions, Acids, and Bases

Semester 2: Physics

Chapters 11: Motion

Chapter 12.1/12.2: Forces in Motion

Chapter 12.3/12.4: Momentum

Chapter 14: Work, Power, and Machines

Chapter 15 & 16: Energy, Thermal Energy and Heat

Chapter 17: Mechanical Waves and Sound

Chapter 18: The Electromagnetic Spectrum and Light