

# Physical Science Honors 2023-2024

**Instructor:** Jeff Neujahr **Office Hours:** 7:45 AM – 3:45 PM (or by appt.)

**Phone:** 324-4691 ext. 2114 **Office Location:** Lexington High School Rm. 114

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## **COURSE OVERVIEW:**

There are two basic reasons for studying science. First, it is the study of some of our attempts to understand our world and the universe. Second, its applications have and continue to produce changes in our society. Even if you do not enter into a science intensive field, you will have gained a deeper understanding of our ever-changing world.

## **MATERIALS NEEDED:**

- A Folder
- Notebook paper
- Pencil with an eraser & other easily obtainable supplies
- School issued iPad (THIS IS A MUST)
- Text: Physical, Earth, and Space Science, An Integrated Approach. CPO, 2016. (Online book available-hard copies available for use in classroom only)

## **GOALS:**

The student will:

- Apply the steps of the scientific method.
- Communicate scientific data to others.
- Develop an understanding:
  - of the structure of the atom.
  - of the structure and properties of matter.
  - of chemical reactions.
  - of motions and forces.
  - of the conservation of matter and energy.
  - of the interactions of matter and energy.
  - of the energy of earth systems.
  - of geochemical cycles.
  - of the origin of earth systems.
  - of the origin of the universe.
- Develop proficiency and safety in the use of laboratory equipment.
- Develop physics specific vocabulary and language skills.

## **CLASS REQUIREMENTS**

- Attendance: Be at school. The more you miss the more you fall behind.
- Attention: Know what is going on. Use your listening skills. Important information is being discussed!

- Attitude: Have a positive attitude toward learning. Turn in your work!

## CLASSROOM RULES

- Work hard.
- Be nice.
- Ask questions!

## EXPECTATIONS

- It is always okay to do your best and ask for help.
- It is always okay to be kind and helpful.
- **BOTTOM LINE:** It is **never** okay to be disruptive. Being disruptive means you are interfering with learning or being hurtful.
- Students will be held accountable for their actions. When those actions are disrespectful and/or disruptive to learning environment, students will follow process with the classroom teacher before they re-enter the learning community.
- Students who choose not to own their actions will be given time to think away from other students until they are ready to re-join the learning community.

## GRADING

- Grades will be based on the district wide grade scale.
- Final Grade Break-down for each Quarter
- Homework: 10%
  - Electronic copies will be used as much as possible
    - Guided Readings: Yes, you need to read. Reading is the best way to learn.
    - Homework Problems: This is like practice. To be successful on quizzes and tests you need to practice working the problems.
  - It is your responsibility to check your own work on all homework assignments.
  - Assignments submitted 2 days late will lose 50% credit.
- Labs/Quizzes: 40%
  - Quizzes may or may not be announced
  - On paper or online
  - This category includes any lab activities
    - Labs submitted 2 days late will lose 50% credit
- Tests: 50%
  - Given at the end of each chapter
- Semester Tests: 10% of Final Semester Grade
  - (Quarter 1 Grade: 45%, Quarter 2 Grade: 45%, Semester 1 Test 10%)
  - (Quarter 2 Grade: 45%, Quarter 2 Grade: 45%, Semester 2 Test 10%)

## **Special Considerations**

- Daily assignments/labs due online BY MIDNIGHT (unless told otherwise)
- Any assignments done on paper MUST HAVE FULL NAME AND CLASS PERIOD in the top right corner
- You will have ONE WEEK to make up a missed lab, quiz or test. This will be done outside of regular class time. After 1 week you will lose 50% credit.

## **CHEATING/PLAIGIARISM**

- Anyone found cheating or plagiarizing work will be forced to follow the guidelines as written in the Student Code of Conduct. For a definition of cheating please refer to the code of conduct handout.

## **ABSENCES**

- The students will be held accountable for all missed assignments, notes, etc. for any absence.
  - It is YOUR responsibility to communicate with me as soon as you return AND make a plan with me on how you will make-up what you missed.
  - I will not hunt you down...be responsible.
  - Upon returning to class, you will have TWO days to complete and submit any work you missed (one week for quizzes, labs, or tests)
- Students that miss school because of a pre-excused reason need to notify the teacher as soon as possible. This includes any school activity.
  - You must make a plan with me before you are gone for the school function.
  - You are expected to follow through with this plan.

## **SPECIAL NOTES**

- Cell phone use is strictly prohibited per school rules as stated in the handbook.
- Tardies-you are considered tardy if you are not in your seat working on the Bell Ringer WHEN THE BELL RINGS. First tardy is a warning. Second and subsequent tardies will result in a 15-minute detention BEFORE school.
- Students will not use the restroom during class. You have time to do this during your 4-minute passing period. I understand there are certain situations and emergencies-communicate with me and we will figure something out, which usually consists of making up time missed after school.
- Head phones may be used on certain occasions with permission from me. DO NOT come into my room with head phones already in-they will be placed in my drawer and you can get them after school.

## **HONORS**

- Honors section will consist of higher order questions on all assignments, quizzes, labs and tests.
- A quarterly project that will be applied to the Labs/Quizzes category.

# Declaration of Accountability

Physical Science 2023-2024

Mr. Neujahr

By signing this paper the student and parents/guardians agree to be held accountable for all the expectations and rules set forth in this syllabus for Mr. Neujahr's Physical Science class. Violations of rules will result in disciplinary action as outlined in the Student Handbook and the Student Code of Conduct.

Take this syllabus home and go over it with your parents. After you and your parents have carefully read it and understand it, please sign and return it .

## **COMPLETED BY STUDENT**

Class Period (please circle): 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 7<sup>th</sup>, or 8<sup>th</sup>

Name of Student: \_\_\_\_\_ (print)

Student: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

## **COMPLETED BY PARENT/GUARDIAN**

Name of Parent/Guardian \_\_\_\_\_ (print)

Parent/Guardian \_\_\_\_\_ Date: \_\_\_\_\_  
Signature