

INTEGRATED PHYSICS & CHEMISTRY

COURSE DESCRIPTION: IPC is a course that combines Physics and Chemistry.

Fall Semester:

The physics part of the course is designed to bring all of the principles of physics into a light that the student can understand and apply to everyday life. A basic understanding of physics is essential in the modern world in which we live. Some topics include, but are not limited to: gravity, motion, velocity, forces, simple machines, electricity and waves. We will explore these topics through classroom work, demonstrations, projects and laboratory experiences. These are the starting components and I hope to expand on them, as the basics are better understood.

Spring Semester:

We will explore the basics of chemistry from properties of matter to the periodic table. This includes how chemicals bond and form other elements or compounds. Topics of discussion will include, but are not limited to bonding, gases, liquids, and solids. We will explore these topics through classroom demonstrations and labs, as well as class lectures and homework.

MESSAGE FROM THE TEACHER:

Success of the student in this class is dependent upon the cooperation of each student, parent and teacher involved in the class. I am here to help each student, and parent, with any aspect of this class and the students overall education. I know that every student has an interest in the world in which they live, and the study of physics and chemistry can help explain that world. We will provide your son or daughter with a positive environment where they can explore these sciences, where they will be free to discuss, explain their thoughts and reasoning, and approach science with an open mind and ability to formulate their understanding of both physics and chemistry. Each student must be willing to do their part.

CLASS EXPECTATIONS:

By paying attention in class, asking relevant questions, and doing your assigned work each student in this class can be successful and feel the excitement of knowing they have a better understanding of the world and the universe in which they live.

LATE WORK POLICY:

It is Science Dept. policy to give zeros for late work. To give grace to our new high school students for the **first nine weeks only**, late work will be accepted a day late, but with the highest grade possible of an 80.

MATERIALS: (Should be brought to class each day.)

1. #2 pencils
2. Calculator (does not need to be a graphing/scientific calculator) A 4-function will work for this class.
3. Binder with graphing($\frac{1}{4}$ In. squares) and notebook paper
4. Ruler (one that has metric side)

GOOGLE CLASSROOM:

The notes, work assigned for class, homework, and test preparation will be placed on Google Classroom.

CONTACT INFORMATION:

Teacher: Anne McDow

In-Class-Support Teacher: Nathan Montag

Email: mcdowa@hpsid.org

Email: montagn@hpsid.org

Tardy Policy:

Students will be marked tardy if they are not inside the door of the classroom when the tardy bell rings. Students will be counted absent if you are not in this class after the first 15 minutes. Consequences for being tardy are covered in the Kiltie.

ABSENCES:

- If you know in advance that you will be absent from class, arrange a meeting with Mrs. McDow before your absence to receive any work.
- Upon return from an unplanned absence, arrange a time to meet with Mrs. McDow to make up the content knowledge and/or assigned classroom work.

Assignment Requirement:

- Assignments If done on paper must be neat and done in pencil and in the correct format.
- All hand written tests, labs and quizzes will only be accepted when done in pencil. (We will be doing a number of these on the computer, so this will not apply to these.)

GRADING POLICY:

The nine-week grade will be broken down as follows:

- 60% Major Labs/Projects
- 40% Unit Checkpoints/Quizzes/Minor Labs

CELL PHONE POLICY:

The new cell phone policy is available in the Kiltie.

RETAKE POLICY:

It is permissible to retake a checkpoint or quiz based on the Grading Guidelines within The Kiltie. All requests for a retake must be in writing (email) to mcdowa@hpsid.org from the student.

HOW TO PASS THIS COURSE:

Our class is a learning environment where you are expected to participate in class, study the material covered and assigned, and ask questions. If you attend class, participate, turn in your assignments, study for your checkpoints/quizzes and ask for help, when needed, you will pass this class.

Hopefully, this will be your favorite class of the year.

SAFETY

- I agree to abide by the following rules and display conduct in accordance with the Kiltie.
- No food, drinks are allowed in the Lab.
- I will act responsibly during lab activities to ensure my safety as well as the safety of my classmates. If I choose not to act appropriately, I understand that points may be deducted from my grade or a zero may result for my lab grade.
- I need to be seated in my assigned desk/lab station when in the room/lab unless otherwise instructed.
- Safety shower and eyewash station are only to be used in an emergency.
- This is my classroom and I will take responsibility for its upkeep!

TUTORIALS:

Mrs. McDow M-Th. 7:35 AM and Tues. after school in EC112.

PARENT CONFERENCE MEETINGS:

My daily conference period is 1:50 - 2:30 PM daily. Please feel free to email (mcdowa@hpsid.org) me to schedule a day to meet. I am also available most days before school or after school.

Please turn in this page to your teacher by August 15!

Last name (print): _____ **First name:** _____

I have read and understand the above policies/procedures. I agree to follow all of the policies and procedures.
If you have any comments, questions and/or concerns, please do not hesitate to e-mail Mrs. McDow
mcdowa@hpisd.org

Student Printed name

Parent/Guardian Printed name

Student Signature

Parent/Guardian Signature

Date _____