



## Integrated Physics and Chemistry

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**Conference Period:** 4<sup>th</sup> period

**Tutoring Opportunities:** 8:40 to 9:00 am Tuesdays and Thursdays by appointment, during lunch period by appointment

### Class Materials:

- Composition notebook
- pens/pencils
- college ruled paper
- highlighter/colored pencils
- glue sticks
- scissors
- Canvas, student email

Access to Canvas and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.

### Course Description:

IPC is recommended for students who benefit from extra preparation to meet the rigors of physics and chemistry and integrates the two disciplines with a strong emphasis on calculation in the following topics: motion, waves, energy transformation, properties of matter, changes in matter, and solution chemistry. IPC does not qualify for the STEM endorsement. Based upon state HS graduation requirements, IPC must be taken prior to Chemistry and/or Physics. Campus advisement is strongly recommended.

### Course Goals:

Integrated Physics and Chemistry (IPC) will explore scientific processes, force and motion, gravity, energy, structure and properties of matter, and chemical reactions. Students who complete this course will successfully be able to analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing.

### Student Evaluation:

The grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor
- Major grades – tests (including District Common Assessments, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum four per six weeks
- Semester exams will count 1/7 of the semester grade
- A letter system (S, N, U) is used to report a student's conduct based on proper/responsive conduct and citizenship
- Per Board Policy EIA (LOCAL), "The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments, quizzes, six-week test, and semester final examinations. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.
- Official grades will be in Skyward only and can be accessed only by student and parent through Family Access

## **Assignments, exams, expectations outside of the classroom:**

Another of the requirements of IPC will be the use of an Interactive Notebook. An Interactive Notebook is more than a notebook used to take notes. It is a process of using many aspects of learning and thinking. The more ways students use and apply information, the better the student will understand the content and be able to use the information. This notebook will contain a table of contents, notes, warm ups, lab write ups, vocabulary, practice problems, and activities in which skills will be applied to better understand the content.

The purpose of the IPC Interactive Notebook is to:

- Think as a scientist
- Record as a scientist
- Reflect as a scientist

Each student will need a composition notebook. We will use the notebook EVERY DAY in class. Pages are not to be removed from the notebook. If handouts or photocopies need to be added to the notebook, staples, tape, or glue sticks will be used to attach to the information in the notebook.

**Notebook Checks:** grading will be done frequently and notebooks will be checked for completion, neatness, organization, and accuracy. Notebook checks will be counted as daily assignments. Missing notebook assignments can be completed during tutorials.

## **Attendance/Tardy Policy/Make-Up Work:**

Please refer to the district attendance and grading policies for information.

During Remote Learning: In order to be counted present in class for the day, you will need to **log-in to Canvas and submit your daily assignment**. Logging in to Canvas only does not count as being considered present for the day.

For in-class instruction the district attendance policy will be followed. Students are considered tardy if they are not in class when the bell rings.

For late work the following is from the district grading and reporting policy:

An assignment may be turned in under the following guidelines:

1 school day late – maximum score is 85

- ❖ A 100 would record as an 85 ( $100 \times .85$ )
- ❖ An 80 would record as a 68 ( $80 \times .85$ )

2 school days late – maximum score is 70

- ❖ A 100 would record as a 70 ( $100 \times .70$ )
- ❖ An 80 would record as a 56 ( $80 \times .70$ )

3 school days late – maximum score of 60

- ❖ A 100 would record as an 60 ( $100 \times .60$ )
- ❖ An 80 would record as a 48 ( $80 \times .60$ )

No late work will be accepted after 3 school business days and a zero is recorded in the grade book.

## **Classroom Expectations:**

We believe in the growth mindset in this classroom and are striving to have a culture of students that work together in a positive way and encourage each other to learn through mistakes. Students are expected to come to class on time and ready to learn. Students are required to have the necessary materials to complete their assignments. Cell phones are required to be off and put away in their backpacks.

### **Preliminary Schedule of Topics, Readings, and Assignments**

During the first grading period topics covered will include laboratory safety, metric measurement, and energy. Topics covered during the second grading period include Newton's Laws of Motion. Force and energy are covered during the third grading period. Electrical energy and the transfer of heat are covered during the fourth grading period. Properties of matter are covered during the fifth grading period. Chemical reactions and chemical properties are covered during the sixth grading period.

### **Academic Integrity:**

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.