

## **Integrated Physics + Chemistry Syllabus**

**2022 Fall Semester - 90 minute Class**

**Course's Name: Integrated Physics+Chemistry**

**Instructor: David Trammell**

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**Conference: Fall Semester -  
3rd Block (11:14 a.m.- 12:44 p.m.)**

**Tutoring:**

**Fal//Spring Semester:**

**Tuesday and Thursday's afternoon @ 4:15 - 4:45 pm**

**Course Description:**

Integrated Physics+Chemistry is a physical science course designed for high school students needing an entry-level science course covering basic concepts found in chemistry and physics. Topics included in this

course are matter, motion and forces, work and energy, electricity and magnetism, and waves. A class in Integrated Physics and Chemistry (IPC) allows students to get familiar with these two aspects of science at the same time. Key chemistry concepts include the scientific method, scientific measurements and laboratory safety. Other vital topics include the ways matter is classified and characterized, atomic structure and the arrangement of the periodic table. The properties of atoms, pure elements, compounds and chemical bonds should also be considered in class. Students typically explore acids, bases, the pH scale, chemical equations and reactions and reaction rates. Supplemental topics could include the importance of recycling. Class time might also be devoted to helping students learn about careers in physics and chemistry.

### **Student's Expectations:**

- 1. It is expected that you will strive to do your very best in all activities in this class.**
- 2. You must complete all assignments and turn them in on time.**

**3. Students must attend class regularly because  
“when you miss school, you miss out!”**

**4. Students must follow the classroom rules as well  
as those established as school policy.**

**5. Students must follow the school's policy for  
make-up work when you have been absent.**