

Integrated Physics & Chemistry (IPC) Syllabus 2021-2022

Dr. Jie, L204

Conference period: 1st

Email: qing.jie@houstonisd.org

Phone: 281-920-8000 x036264

Class Information

This course is comprised of one semester of Chemistry and one semester of Physics (no sequential order) designed to introduce and better prepare you for future full year Chemistry or Physics studies. This semester you will be learning *Physics* which is a science that deals with the properties, changes, and interactions of matter and energy in the *PHYSICAL* world.

Materials Needed to Be Successful:

- Textbook: *Texas Integrated Physics and Chemistry, 2015* from McGraw-Hill
 - ❖ Can be accessed from the HUB under "Digital Resources"
- Calculator (will be provided in the classroom if you do not have)
- Notebook/paper for notetaking and calculations
- Pens, pencils and erasers

Grading and Related Policies:

- **70% Major Grades (Tests and Projects)**
- **30% Minor Grades**
 - Class work/flex work/homework, weighted x1
 - Labs & quizzes, weighted x2

Tests: Since Major grades are 70% of your class average, your six weeks grade will strongly reflect how you perform on tests. Notice for tests will always be posted at least a week in advance.

Test Re-Takes: Any student scoring **79 and below** on a test may complete the test retake; the maximum grade that can be entered in the gradebook for a retake is an 80 (*per WHS campus policy*). Dates, times, and prerequisites for test retakes will be posted.

Classwork / Flex work / Homework: Assignments may be graded based on the number of questions you get correct (traditional grading), or as a check grade (completion grading). You may not know in advance what type of grade will be assigned so always complete all assignments to the best of your ability.

Late Work: Assignments have due dates and each assignment is planned with a specific timeline in mind to help you to acquire the learning necessary to demonstrate mastery on assessments. It is important that you exert deliberate effort to stay on track with the due dates for your work. **Late work will only be accepted before answers have been posted and/or discussed by the teacher and will receive a 10-points deduction per day from the deadline. Projects cannot be submitted late due to the strict end of the six weeks grade submission deadlines established by the district.**

Make-up Work: It is very helpful to communicate with me via email or telephone if/when you know that you will be absent. You are responsible for getting and turning in YOUR OWN make-up work, by finding the lesson plans for the day(s) that you missed on The Hub or the materials in the classroom. You are allowed the same number of days missed to turn in makeup work. **Missed tests must be made up before the answers are unlocked;** if you fail to meet this requirement, you must follow the appropriate steps for retakes.

Classroom Expectations:

- Actively engage in the classroom.
- Be courteous! Respect everyone's opinion.
- Effort is commendable! Always give your best effort and participation level no matter what....it matters to me!
- Be present! Raise your hand whenever you have questions. One on one tutorials are available by appointment.

IPC Physics, Scope & Sequence (subject to change as necessary)

	Content/Major Topic	
1 st Six Weeks	Kinematics (Motion), Forces and Momentum, Six Weeks Project	(30%)
2 nd Six Weeks	Energy, Heat, Six Weeks Project	(30%)
3 rd Six Weeks	Sound & Waves, Light, Project	(30%)
Final Exam		(10%)