

Integrated Physics and Chemistry (IPC) Class Syllabus 2018 – 2019

Teacher: Mrs. Hill
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Phone: (936) 344-6451
Room: 301

Course Description

In IPC, you will conduct laboratory and field investigations, use scientific methods during those investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

Class Rules

1. Choose Civility: Be respectful of your teacher, yourself, and your peers.
2. Follow Directions.
3. Come to class prepared everyday with pen, paper, book, and notebook.
4. Be in your seat working when the tardy bell rings and continue to work until your teacher dismisses you.

Consequences (for failure to comply with class rules)

- Step 1: Verbal Warning
- Step 2: Student-Teacher Intervention
- Step 3: Parent-Teacher Communication
- Step 4: Referral to Principal's Office

**Disclaimer: Steps may be skipped based on the severity of an infraction.*

Academic Honesty

Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action.

Academic dishonesty is defined as: cheating, plagiarism or otherwise obtaining grades under false pretenses.

Plagiarism is defined as submitting the language, ideas, thoughts or work of another as one's own; or assisting in the act of plagiarism by allowing one's work to be used in this fashion.

Cheating is defined as (1) obtaining or providing unauthorized information during an examination through verbal, visual or unauthorized use of books, notes, text and other materials; (2) obtaining or providing information concerning all or part of an examination prior to that examination; (3) taking an examination for another student, or arranging for another person to take an exam in one's place; (4) altering or changing test answers after submittal for grading, grades after grades have been awarded, or other academic records once these are official.

What I Expect of You

- Come to class ready to learn with a good attitude and open mind.
- Bring your pen, paper, book, and composition book to class everyday.
- Work hard and do your best.
- Follow **ALL** safety rules in the lab.
- Meet your deadlines.
- Take pride in the work you do and turn in for this class.

What You can Expect from Me

- I have high expectations for my students and myself.
- I will give you homework and I expect you will do it.
- I will record tardies for students who are not in their seats working when the tardy bell rings.
- I will challenge you to think.
- I will be fair in my assessments.
- I will be supportive, helpful, and approachable.
- I will NOT do your work for you.

Grading Information

Six Week Test (comprehensive)	= 20%
Major Work & Tests (tests, labs, & projects)	= 50%
Daily grades (classwork, homework & quizzes)	<u>= 30%</u>
Total	= 100%

Note: During the 3rd and 6th six weeks no six week test will be given. The percentages for those grading periods are as follows.

No Six Week Test	= 0%
Major Work & Tests (tests, labs, & projects)	= 70%
Daily grades (classwork, homework & quizzes)	<u>= 30%</u>
Total	= 100%

Please Be Aware:

- You need to be prepared on test day. Come ask for help ahead of time if you need it.
- Test corrections must be completed by the assigned deadline for a maximum of 70.
- Work must be turned in on time to receive consideration for full credit.
- **Late work:**
 - 1 day after the original due date -10 points
 - NOT accepted after 1 day late grade will be recorded as a "0"
- **Extra credit** assignments for each chapter are due no later than the beginning of class on test day. They may be turned in early BUT **will not** be accepted late.

Make Up Work

In order to maintain the integrity of my tests and ensure student's knowledge and comprehension of the subject matter, I have the following Make-Up test policy.

- If you are absent on test day FOR ANY REASON, you will be given a **Make-Up test** that will cover all the same content in a different format than the original test. This test will be administered to you on the day you return to school.
- If you are absent the day before the test, you are still expected to take the test on test day.
- If you are absent multiple days prior to the test, it is still YOUR responsibility to get any and all material and assignments you missed. This is best done by checking the class website **hillsciencenwhs.weebly.com** or having your parent/guardian email me directly at khill@new-waverly.k12.tx.us. Decisions on "when to test" in these situations will be made on a case by case basis.
- Bonus questions, if offered, will be different on the Make-up test than they were on the original test.

Electronics

Per the New Waverly High School Code of Conduct, all electronic devices (phones, smartwatches, fitness trackers, Ipods, headphones, etc) must not be displayed, turned on, or used on school property during the

school day. **If an electronic device is seen during the school day, it will be confiscated by any school personnel and submitted to the office.**

****IF CELL PHONES APPEAR DURING QUIZZES OR TESTS:** the security of the assessment has been compromised. This constitutes academic dishonesty and you will receive a **zero** on the assessment.

Course Breakdown by Semester

Semester 1 - Chemistry

Introduction: Class expectations and rules
Safety in the Lab
Ch. 01: Nature of Science
Ch. 14: Solids, Liquids, and Gases
Ch. 15: Classification of Matter
Ch. 16: Properties of Atoms & the Periodic Table
Ch. 17: Elements and Their Properties
Ch. 18: Chemical Bonds
Ch. 19: Chemical Reactions
Ch. 20: Radioactivity and Nuclear Reactions
Ch. 21: Solutions
Ch. 22: Acids, Bases, and Salts
Ch. 23: Organic Compounds
Ch. 24: New Materials Through Chemistry

Semester 2 - Physics

Ch. 02: Motion
Ch. 03: Forces and Newton's Laws
Ch. 04: Work and Energy
Ch. 05: Thermal Energy
Ch. 06: Electricity
Ch. 07: Magnetism and Its Uses
Ch. 08: Energy Sources & the Environment
Ch. 09: Introduction to Waves
Ch. 10: Sound
Ch. 11: Electromagnetic Waves
Ch. 12: Light
Ch. 13: Mirrors and Lenses

Supplies Required

2 composition books
writing utensils (pens/pencils)

*Advanced notice will be given for any additional supplies or supplies needed for projects throughout the year

Optional Supplies

box of Kleenex
bottle of hand sanitizer
ream of paper

Sign and return this portion to Mrs. Hill tomorrow.

I, _____, have reviewed and understand the contents of the Integrated Physics and Chemistry syllabus with my parents.

Student signature

Date

Parent Signature

Parent email / phone #

Sign and return this portion to Mrs. Hill tomorrow.

I, _____, have reviewed and understand the contents of the Integrated Physics and Chemistry syllabus with my parents.

Student signature

Date

Parent Signature

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