

Honors Physics Syllabus and Classroom Expectations 2013-2014

Miss Jennifer Tillenburg
E-mail: jennifer.tillenburg@ksd.org
Phone: 509.222.5772



Instructions to get to course webpage:

1. Go to www.ksd.org/kamiakin
2. Select "Staff" tab
3. Select "Honors Physics" tab
4. Password for documents: kamiakin

Course Overview

Honors Physics is a pre-college level course that is designed to introduce students to the basic laws describing the physical universe. This course is particularly suited for careers in engineering, medicine, chemistry, physics, and mathematics; however, the problem-solving skills acquired throughout the course are valuable tools that can be applied to any discipline. A thorough understanding of Algebra is required to be successful in this course.

Course Objectives

As a result of taking this course, the student will be able to:

1. Recognize and appreciate the role and function of the principles of Physics in everyday life
2. Become more skilled in making observations, analyzing data, and drawing conclusions
3. Better understand the relationship between Mathematics and Science
4. Express the ideas of Physics through the language of Mathematics
5. Apply the principles of Physics to real-world situations

Topics to be Covered

- Motion in One Dimension
- Two-Dimensional Motion and Vectors
- Forces and Laws of Motion
- Work and Energy
- Momentum and Collisions
- Circular Motion and Gravitation
- Vibrations and Waves
- Sound
- Light and Reflection
- Refraction
- Electric Forces and Fields
- Electrical Energy and Current
- Circuits and Circuit Elements

Required Materials

- 1" 3-ring binder (exclusively for this class)
- scientific calculator (required)
 - (graphing calculator **STRONGLY** recommended but not required)
- filler paper (college ruled)
- pen/pencil
- book cover (recommended)

Text

Serway, Raymond & Faughn, Jerry. (2009). *Physics*. New York, NY: Holt, Rinehart, and Winston.

Online Textbook and Resources: <https://my.hrw.com/>

Username: honorsphysic2

Password: physics

Evaluation

Grades are calculated according to this scale:

100 - 93% = A	86 - 83% = B	76 - 73% = C	66 - 60% = D
92 - 90% = A-	82 - 80% = B-	72 - 70% = C-	59 - 0% = F
89 - 87% = B+	79 - 77% = C+	69 - 67% = D+	

Quarter grades

Tests/Assessments = 50 %

Assignments/ Labs/Notebook Checks = 50 %

Semester grades

Quarter 1 (45%) + Quarter 2 (45%) + Final Exam (10%) = Semester 1

Quarter 3 (45%) + Quarter 4 (45%) + Final Exam (10%) = Semester 2

Assignments/Labs /Notebooks Checks

There will be homework assigned in this class almost every day. Assignments will be accepted only at the beginning of the period on the due date to receive full credit. Additionally, all answers must be scientifically accurate, thorough, and complete. All work must be shown for each problem to receive credit. Assignments turned in after the due date will be accepted only for half credit if turned in by the end of the grading period (quarter). Labs are "hands-on" assignments which require the student to

be in class. Labs are performed in groups for data collection purposes; however, **written lab work must be completed individually. Formal lab reports must also be completed individually and should not be the result of shared writing, copying, or a cooperative effort.** Missed labs must be made up before school, at lunch, or after school. Notebooks will be checked periodically and graded based on completeness and organization.

Tests

Tests are always announced and will be given at the end of each chapter. Missed tests must be made up before school, at lunch, or after school. If the student misses 1 or 2 days prior to a test, the student will be expected to take it with the rest of the class, as long as no new material was presented while he/she was gone.

Attendance

It is the student's responsibility to get the work the student missed while the student was absent. Always check the calendar for missed assignments. It will tell the student what we did each day in class. The student will have one day for each absent day to submit work or make up a lab or test for full credit. After this time, the work will be considered late. If a student is truant, no missing work will be accepted for credit. After the 13th absence, a Denial of Class Credit Referral Form will be submitted to the office.

Hall Passes

The student will be given 4 personal hall passes for the **semester**. The student will use one pass when he/she needs to leave the room (bathroom, locker, etc.) Extra passes will cost the student time before school, at lunch or after school.

Extra Credit

Extra credit is available for students who have completed all assignments. Extra credit opportunities are at the discretion of the teacher, and are only available for academic activities.

Tardy Policy

A student is tardy if he/she is not in the room when the tardy bell rings. Tardies of more than 10 minutes are considered an absence.

1st tardy	Warning
2nd tardy	Contact home
3rd tardy	Detention and contact home
4th tardy and beyond	Referral to office for progressive discipline

Electronic Device Policy

The use of electronic devices not directly related to a class activity is not allowed during class time. This includes but is not limited to cell phones, music players, cameras, electronic games, and tablets. Devices should not be seen or heard – please keep your device turned off and put away. Parents needing to contact a student can call the office at 509.222.7000.

1st violation	Device taken away, parent contacted, and student can pick up after school
2nd violation	Device taken away, turned in to office, parent contacted, parent picks up from office

Classroom Expectations (THE BIG THREE)

- 1. Make Good Decisions**
- 2. Show Respect**
- 3. Solve Problems**

Discipline Policy (steps may vary according to behavior)

Failure to follow classroom rules and expectations may result in the following: Verbal warning/chat, parent/guardian contact, written paper, detention, and/or referral to office. Referrals to office may result in detention, ISS, or suspension.

Specific Classroom Policies and Procedures

- At the beginning of class, students should be in their assigned seat, working on the entry task or reading quietly. Students should not be talking or finishing homework from the previous day.
- Work should be original and not plagiarized. Cheating can result in receiving no credit, parent contact, and a discipline referral.
- No food or drink, except water, and no audible or visible gum.
- When the dismissal bell rings, students will be dismissed by the teacher once they are seated and quiet.

Please detach and return this page to Miss Tillenburg

By signing and returning this page, I acknowledge that I have read and understand the *Honors Physics Syllabus and Classroom Expectations*.

Student name (print) _____ Parent/Guardian name (print) _____

Student signature _____ Date _____ Parent/Guardian signature _____ Date _____

Parent's/Guardian's e-mail address _____

Parent's/Guardian's daytime phone number _____

Additional information that you want me to know about your child (optional):
