

3151 Physics (2015-2016) Syllabus

Instructor: Mr. Bartholomew
Classroom: C113
Voice Mail: 860-345-8541 x3113
E-mail (preferred): sbartholomew@RSD17.org

Office Hours: Tuesday and Friday 2nd Lunch (Available most lunches, except Thursday)
Available: Monday, Wednesday, Thursday, and Friday after School until 3 pm
Additional times by appointment, Tuesday is a faculty meeting day.

Class Website: Look here for class updates, copies of handouts, and daily HW assignments

<https://sharedserver.rsd17.org/teacherwebpages/scottbartholomew/default.aspx>

Haddam Killingworth High School Mission Statement

The mission of Haddam-Killingworth High School is to provide a personalized and collective experience through which students are challenged to develop the knowledge, skills, and work ethic to contribute to a global society.

Expectations for Student Academic Performance

Students enrolled in science courses will:

- Apply critical thinking and creative literacy skills to formulate and express opinions in a variety of ways.
- Demonstrate mathematical and **scientific literacy** while using problem solving and reasoning skills

Scientific Literacy – The student will

- Acquire relevant background knowledge.
 - Demonstrate comprehension of scientific principles.
 - Organize, evaluate and analyze evidence, data, patterns, logical arguments, uncertainties, alternative explanations and designs to make sense of the natural and technologically designed worlds.
- Exhibit effective speaking, writing and reading skills.
 - Demonstrate a variety of technological skills.
 - Participate in collaborative and cooperative learning.
 - Demonstrate self-discipline and personal responsibility for learning.
 - Show respect for individual abilities and diverse cultures.
 - Exhibit a commitment to community involvement.

Course Description:

This Physics course involves the study of the forces and laws of nature affecting matter such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics also includes examination of sound, light, magnetic and electric phenomena and topics in modern physics. This course integrates laboratory skills, technology, and mathematics to gather and analyze data to gain an understanding of the behavior of the physical world in which we live. The theoretical development of physics will follow its historical development from the early ideas of Galileo and Newton to the modern ideas of Einstein and Fermi.

Grading Policy:

Quarterly Grade Calculation:

Unit Tests/Quizzes	75%
Laboratory Reports	25%
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Quarter Grade	100%

Semester Grade Calculations:

Quarter 1 Grade: 20%	Quarter 3 Grade: 20%
Quarter 2 Grade: 20%	Quarter 4 Grade: 20%
Midyear Exam: 10%	Final Exam: 10%
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1 st Semester Grade	2 nd Semester Grade

Graded Assignments

Exams. Midyear and final examinations will be given. The midyear exam will cover material from the start of school to mid-January. The final exam will cover material from mid-January to June. Exams will include multiple choice, short answer, and essay items.

Tests / Assessments. There will be several hour-long tests during each semester. Tests will be announced in advance. Each test will cover representative material from two or three chapters, and will include multiple choice, short answer, and essay items. **Any unit test that is missed due to an excused absence must be made up on the next class day that the student is present or it will be recorded as a zero.**

Laboratory Reports. Lab reports will be turned in at the conclusion of *each* laboratory exercise. Reports will be graded on whether they are complete, accurately follow lab procedure, correctly analyze data, and thoroughly discuss results. See the handout on *Lab Report Format*. **Late lab reports will be assessed a 5% per day penalty except in the case of excused absence or illness.**

Homework. The science department values homework as a portion of student learning. Homework will be monitored periodically and entered on a 0-2 pt scale, 0 for missing – 2 done with appropriate effort. The knowledge or skill gained through completing HW will be assessed through quizzes and tests. HW grades will not affect a student's quarter grade.

Electronic Devices Policy (from HK Handbook)

Cell phones and all other electronic devices (e.g. ipods) may not be used during class periods except when technology is explicitly used for instruction and learning under the direction of the teacher. The only acceptable place and time to use an electronic device such as a cell phone is during passing time and lunch- and only in the hallways and in the cafeteria. Student tardiness to class due to phone use is acceptable, as is leaving class to use the phone in the hallway or lavatory. In addition, headphones (earbuds, etc..) shall not be used at all except in the cafeteria during lunch. This is to encourage appropriate social interactions between students in the hallways and avoid the safety hazard caused by students unable to hear instructions, announcements, etc...

Improper use of electronic devices during class will be treated as a disciplinary infraction

DETATCH THIS PAGE

**Please remove this entire page from the syllabus.
Return this signed and dated page to Mr. Bartholomew**

Students should keep the syllabus for reference.

Mr. Bartholomew

2015-2016

3151 Physics - Syllabus Review

I have read the syllabus and the course requirements. I agree to be involved in the partnership that is described in the HK Student Handbook and in the syllabus.

Date: _____

Print Student Name: _____

Student Signature: _____

Student e-mail: _____

Print Parent/Guardian Name: _____

Parent/Guardian Signature: _____

Parent/Guardian phone: _____

Parent/Guardian e-mail: _____

Please use the back of the page for comments/questions.