

Physics Course Syllabus
Room 210
Mrs. Bennett
bbennett@bvsd.k12.pa.us
(814) 749-9211 X210

Physics is the science that examines the relationships of matter and energy. These relationships form the fundamental laws that are basic to all sciences. The goal of physics is to provide a quantitative understanding of basic phenomena that occur in our Universe. Physics is a science based on experimental observations and mathematical analyses. The main objective behind such experiments and analyses is to develop theories that explain the phenomenon being studied and to relate these theories to other established theories. Fortunately, it is possible to explain the behavior of physical systems using relatively few fundamental laws. Analytical procedures require expressing these laws in the language of mathematics, the tool that provides a bridge between theory and experiment. As Lord Kelvin said "I often say that when you can measure what you are speaking about, and express it in numbers, you know something about it.

Grading: Grades in this course will be weighted as follows: Exam/Quiz 40%, Lab/Project 30%, In-class assignments/homework 25%, and Participation 5%. A curve may be used at the sole discretion of the instructor. Grades may be comprised of, but are not limited to, exams, quizzes, homework, projects, and lab reports.

Textbook: Physics: Cutnell and Johnson. 9th edition, John Wiley & Sons Inc.

Exams - Exams will generally consist of multiple choice questions as well as problems to be solved. All exams will be completed in one class period.

Homework – Homework assignments will be completed and turned in by the due date. If homework is turned in past the due date, a penalty in the amount of 10% of the homework assignment will be applied for every school day the assignment is late. If absent on the date an assignment is due, you must turn it in the day you return to school in order to receive full credit. Few exceptions will be granted. ALL homework is to be placed in the homework box at the front of the room.

Lab Reports – All lab reports will be typed and in the format the instructor sets forth. Each individual will turn in a unique lab report for every lab. Copied lab reports will result in a zero for both parties. Lab reports will be shared with me on Google Docs (bbennett@bvvikings.org) or placed in the homework box one week from the completion of the lab exercise. A 10% reduction in grade will result for every school day a lab report is late. If absent the day the lab report is due, you must turn it in the day you return to school to receive full credit.



Quizzes – Quizzes may or may not be announced.

Required Material: Scientific calculator, 3-ring binder, writing utensil. You will be expected to bring these to class at all times.

