

COURSE OUTLINE



Physics 12 is an academic course utilizing the lab to build on the physical concepts covered in grade 11.

The curriculum is based upon the prescribed learning standards and content here:

<https://curriculum.gov.bc.ca/curriculum/science/12/physics>

Big Ideas in Physics 12:

- Measurement of motion depends on our frame of reference
- Forces can cause linear and circular motion
- Forces and energy interactions occur within fields
- Momentum is conserved within a closed and isolated system

Course Evaluation:

Tests and Quizzes*	70%
Labs and Assignments	30%
Homework*	10%

Physics 12 Final Grade will be a cumulative grade of the entire year.

Final Exam (double test) ~15-20%

*Students are permitted one test rewrite in physics 12 **IF** they have handed in all their homework to date.

**If a student completes 80% of the homework in a school year, they qualify for the 10% homework mark reducing the weight of tests.

Please note:

1. Labs are due 1 week after the last day they are worked on in class.
2. Test re-writes must be done within 2 weeks of the original test day.

Work Habits:

Excellent (E) - Always uses class time wisely. Assignments are of exceptional quality. Strives to contribute to a positive classroom environment. Respects science equipment and materials and is always prepared for class and ready to work. Shows interest in science topics.

Good (G) - Effective use of class time, assignments handed in on time and complete, often contributes to class/group discussions, respect of science equipment and materials, and prepared for class.

Satisfactory (S) - Mostly uses class time effectively, most assignments handed in on time and complete, sometimes contributes to class/group discussions, no misuse of science equipment and class materials, and usually prepared for class.

Needs improvement (N) - Does not use class time effectively, assignment are not handed in on time or are not complete, does not contribute to class/group discussions, misuse of science equipment and materials, and not prepared for class.

Come prepared for every class... here are the materials that are required:

1. Section of a 3-ring binder – with a divider and paper.
2. Agenda book to record homework, due dates and exam dates
3. Pens, pencils, ruler, calculator
5. A willingness to fail, and persevere,

Expectations

- ✓ **Use of Class Time:** Students are expected to show up to every class ready to work. Effective use of class time is important in order to keep up as well as to utilize the help of myself and classmates.
- ✓ **Attendance:** Whenever possible students should inform me in advance of an upcoming absence so that we can arrange a time to meet and make a plan in order for the student to stay on top of their work. Students will be expected to catch up on their own time. Students will also be expected to get any notes missed during an absence from a classmate. Students who leave the classroom before being dismissed without previous arrangements with me will be marked as absent.
- ✓ **Late:** Students who are late are expected to come in quietly and find their seat without disrupting the class. If a student is late on a test or quiz day they will not be given extra time. Habitual tardiness will be addressed on an individual basis.
- ✓ **Missing Test or Quiz:** Students who were not present for a test or quiz must arrange a time with me to write a different version of the test or quiz.
- ✓ **Homework:** Students will generally have time to complete the majority of their work in the classroom. But any work not finished in class will be expected to be finished at home. Classroom work can sporadically be checked for completion and some assignments will be handed in and assessed.
- ✓ **Technology:** Technology can be a great tool for learning but when it becomes a distraction, it negatively impacts students. Any technology that becomes a distraction is generally placed on the whiteboard easel for the reminder of the class.
- ✓ **Extra Help:** Extra help is always available and encouraged for students who require more help. Come see me to arrange a time that works for both of us.

Respect yourself, your classmates, teachers, the classroom and materials.