

PHYSICS 12 COURSE OUTLINE

Teacher: Mrs. Tessa Reilly
Email: tessa.reilly@sd6.bc.ca
Website: blogs.ubc.ca/mrsreilly

Unit of Study	Weight
1. Vector Kinematics	7%
2. Dynamics	8%
3. Energy and Momentum	8%
4. Circular Motion	7%
5. Equilibrium	8%
6. Gravitation	7%
7. Electrostatics	10%
8. Electric Circuits	8%
9. Electromagnetism	8%
Midterm Exam (Units 1-4)	12%
Final Exam (Units 5-9)	17%
Total	100%



Marks

Marks will be allotted according to the unit weightings listed above. Marks for each unit will typically come from a unit test (65%), a lab report (25%), and a problem set (10%).

Assignments

Numerical answers for problem sets will be provided to you. In order to earn full marks for problem sets, **full** solutions including **diagrams** must be shown (unless otherwise specified). If there are unusual circumstances that prevent you from handing in an assignment (problem set or lab report) on time, you must communicate with me in writing **BEFORE** the due date in order to be granted an extension. You may do so by email or a handwritten note, and you must include **why** you need an extension as well as by **which date** you will hand in your assignment.

Brain Breaks

Typically, halfway through the class period, you will be allowed a **five-minute** brain break to refresh yourself for the second half of the lesson. You may use this time to go to the washroom or your locker, to chat with your friends in the class, to check your text messages, etc. However, brain breaks are a privilege, not a right! If you are not back in the classroom and ready to learn after the five minutes are up, this privilege will be revoked.

Cell Phones

Due to their tendency to distract students from learning, cell phones have been banned from classrooms in our school. Any phones being used during class time (besides brain break) will be confiscated.

Course Materials

You will need to bring the following to every class:

- A 3-ring binder or notebook with lined paper
- A pencil and eraser
- A scientific calculator

Absences

A verbal excuse for an absence by the student is not sufficient. There must be an official contact from the parent. It is **the student's responsibility** to contact the teacher to make up missed work. "I wasn't there" is not an acceptable excuse for an incomplete lab report. Labs may often be made up during a lunch hour or after school, but you must notify the teacher as soon as possible after your absence.

PowerPoint slides for all Physics 12 lessons are posted on my website (blogs.ubc.ca/mrsreilly).

Extra Help

Extra help times are posted by the classroom door. I will always be available at these times, and I can also make arrangements to help you at other times as long as you ask in advance.

Physics 12 can be a difficult course. Do not hesitate to seek extra help when you need it!

Missed Tests and Re-tests

If you miss a unit test, you will be expected to write the re-test without the opportunity for further re-test. Anyone may choose to write a re-test. However, you must decide (BEFORE I mark the re-test) whether you want to keep the mark from the re-test or from the original test.

DTSS Science Department Philosophy

The Science Department is committed to creating a learning environment that is safe and conducive to learning. We are also committed to ensuring that students have opportunities to demonstrate their best performance. This will look different depending on the course and teacher, but may include retests, opportunities to correct submitted work, and/or resubmission of course work.

We further believe that it is crucial for student success to receive timely and relevant feedback. We will make every effort to mark and return students' work to them quickly so that remarks on their assignments/tests have meaning to them. We ask that students respect this process and their peers by doing everything in their power to hand in assignments on their due dates.

In addition, students are asked to communicate with their teachers **in advance** if they will be unable to meet a specific deadline. These policies are designed to help develop students' responsibility and time management skills, and to foster a positive learning experience in all science classes.