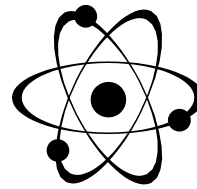
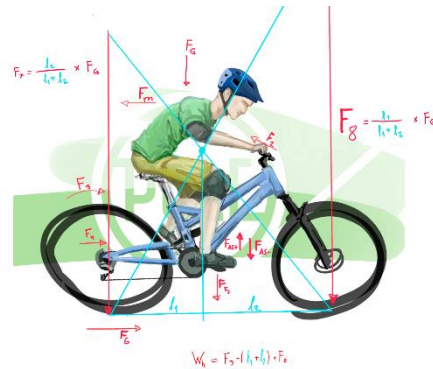


# PHYSICS 11

Mr. Walzl  
WALZL1.com



Welcome to grade 11 Physics. The intention of this course will be to introduce you to a wide range of topics studied in the field of Physics. The course is designed to peak students' interest in Physics while teaching them fundamental concepts and skills necessary to understand more advanced topics in Physics and other sciences.



## Course Structure

Most learning in this course will come from activities and lessons in the classroom as well as handouts, worksheets, and other materials provided to students. A student's best resource outside the classroom is online video tutorials specific to the topics that we cover in class. A detailed topic list is available at the Physics 11 course page found at [www.walzl1.com](http://www.walzl1.com). If distance learning becomes necessary all course work, lessons, assignments, and solutions will be posted on the Physics 11 page. You will be asked to hand in all your work to the Physics 11 google classroom.

## Materials

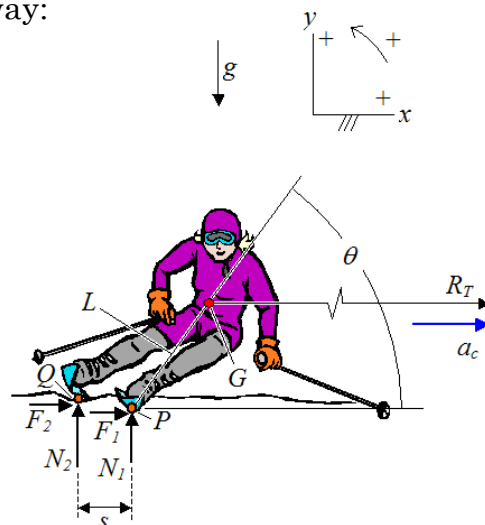
Students are expected to bring the following items to each class: **3-ring binder** containing class notes, extra lined paper, pens, **pencils**, eraser, ruler, and a **calculator**.

## Evaluation

You will be evaluated through a series of assignments, labs, quizzes, and tests that will be weighted in the following way:

### Term marks:

Assignments	10%
Labs	15%
Quizzes	15%
Tests	60%



## Late Assignments

Please avoid handing in work late. Please speak to me if you need help or have special concerns about getting an assignment or lab in on time.

## Absences

If you know you are going to be away from class please speak to me to discuss material you will be missing. **It is the students responsibility to catch up on any material they miss doing an absence.**

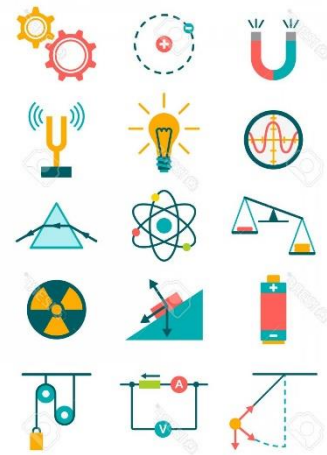
## Getting Help

If you need some extra help, please don't hesitate to ask. I will make myself available outside class time if you need any further explanation. Tutorials will be held **Tuesdays** 3:15-4:00pm afterschool *or the day before a test if necessary.*

## Topics

The following is a list of topics we will cover in Physics 11:

1. Introduction to Physics
2. Kinematics
3. Dynamics
4. Energy
5. Into to Electricity and Circuits
6. Special Relativity
7. Wave motion + Geometrical Optics
8. Nuclear Fission +Fusion



## Classroom Expectations:



To ensure a safe and effective learning environment it is expected that students consider the following guidelines.

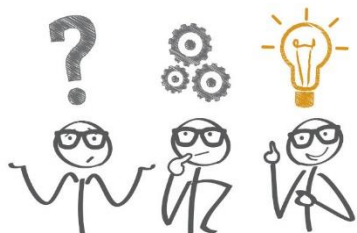
1. **Be caring and kind to others.** We will be working closely with each other in the classroom. **Successful learning requires all of us to be supportive and respectful of each other.** We all want to have a positive classroom experience.
2. Be on time. *Raise your hand* if you have a question or comment. Both of these are necessary for an effective learning environment.
3. **Respect the Lab.** While you are in the lab, it is important to remember that some items in the room can be fragile or dangerous. **Make sure you don't touch anything in the lab without permission from your teacher,** always follow instructions, **clean up** after yourself, and no physical play with classmates.
4. **Focus.** Remember you are in school to learn and grow. While in class, work hard to understand and enjoy the material we are covering. Physics 11 is a great course. Always put forth an honest effort and keep an open mind.

## Keys to Great Learning and Good Grades:

1. Get involved in class. Ask lots of questions (always ask if you don't understand). Get excited about the material!
2. Complete your homework and review classroom work everyday! You are encouraged to check out any of the amazing learning tools available online for all the topics we cover.
3. Discuss classroom topics with classmates and teachers in class and after class.
4. Put your best effort into all your assignments and labs.
5. Get organized! Use your agenda to write down due dates and create a study plan for each day.
6. Keep neat, accurate, and complete notes.
7. Go to tutorials (**Tuesday's** afterschool)

## Other Important Course Goals:

In addition to giving you the opportunity to become familiar with a variety of Physics concepts, this course will include several activities designed to allow you to practice **solving problems** through:



**Investigation, Analysis and Measurement**

**Application and Innovation**

**Communicating and Collaboration**



## Contacting Me:

You and your guardians are encouraged to contact me anytime you have questions or concerns. If you need to speak with me, I am available, before school, breaks, lunch, and after school. You can contact me at the school at 604-905-2581 or e-mail at [jwalzl@sd48.bc.ca](mailto:jwalzl@sd48.bc.ca).

I'm looking forward to working with you during our learning adventures!

A handwritten signature in blue ink that reads "J Walzl".

Mr. Walzl