

Welcome to Physics 11. I would like to take this opportunity to personally welcome you to the Math Department at Panorama Ridge Secondary. **This course is a challenging course** and will require a level above last year in terms of maturity, focus, effort, and preparation. Don't take it lightly. You won't 'cruise' through this course even if you have in previous courses. Be diligent about completion of daily assignments and checking your answers and multi-day test preparation. You can do well. It takes a large amount of grit and attention to detail. You must take responsibility for your own performance. My goal is that you will look back on your experience here as a very positive one.

The following course outline explains how the class will be structured, my expectations of you, what you can expect from me, what will be covered in this course and the marking scheme that you will be graded on this term. Please read this with your parent(s)/guardian and if you have any questions, please ask.

### **Classroom Expectations:**

It is my intention to make the learning of the Physics 11 curriculum as interesting and enjoyable as possible. However, in order to accomplish this, it is essential that class time not be wasted on dealing with inappropriate behaviour that interferes with student learning and enjoyment.

**OWN YOUR LEARNING:** You have made the very excellent decision to take on some challenging coursework. Respect this decision by putting in the time and effort to get the very most out of each class.

**SHOW UP ON TIME:** The first few minutes of class are very important. They set the tone for the entire lesson. Nothing is more disruptive than a stream of students drifting in late and interrupting the lesson. If you are late, enter the classroom **quickly** and **quietly** and take your seat.

**DO NOT MISS CLASSES:** Attending classes regularly will ensure you do not miss important concepts. If you know that you will be absent make sure that you inform me beforehand. If you do miss a class it is **YOUR RESPONSIBILITY** to get any notes or assignments that you missed. Be aware of the resources on the class website and google classroom.

Note: **YOU ARE EXPECTED TO COMPLETE EVERY ASSIGNMENT WHETHER YOU ARE HERE OR NOT!**

### **COMPLETING ASSIGNMENTS:**

If you struggle with your homework the minimum you can do for each assigned problem is:

1. **Draw a picture**
- 2) **Write out the known variables**
- 3) **Write down a relevant equation**
- 4) **try the problem**
- 5) **If you still need help, ask!**

**BE A PURPOSEFUL LEARNER:** At all times be on task and participate in the lesson. Behave in a mature and cooperative way using every minute of class time effectively.

**EXTRA HELP:** If you would like to see me for extra help, I will make the time to see you. However, you are a senior student, if you are struggling the responsibility is YOURS to get on track.

**CHEATING:** Students are expected to complete their own work on an individual basis unless otherwise stated by the teacher(s). Any student who plagiarizes the work of another - either in test situations or on major assignments will face disciplinary action. This may range from receiving a zero on an assignment or test to disciplinary action by the administration.

## Materials

The following materials are required every class:

- Pencils, ruler, erasers and your textbook
- 2 inch binder (at least!!)
- Lots of lined paper (graph paper is optional, but handy)
- Scientific calculator (a **MUST HAVE!!!**) No graphing calculators on tests!!

## Evaluation

The term grade for Chemistry 11 will be calculated as follows:

Tests.....	55%
Quizzes.....	10%
Homework / Assignments.....	20%
Labs / Projects.....	15%

Term mark will be worth 75% of your final grade. There will be a final exam worth **25%**.

Term marks will be based on the following guidelines:

**A:** 86% - 100%   **B:** 73% - 85%   **C+:** 67% - 72%   **C:** 60% - 66%   **I/C-:** 50% - 59%   **F:** 0 - 49%

## I Letter grade / I Form

An **“I” letter grade (communicated in WRITING, BY PHONE OR E-MAIL)** indicates that a student has incomplete or unsubmitted assignment(s), and is at risk of, or is currently failing the course. The student will be given a specific amount of time to complete the required work. At the end of the time limit, the **I** is either changed to a passing grade (**C-**) or a failing grade (**F**) depending on whether or not the work was completed to a satisfactory level. Please note that an **“I”** letter grade can be assigned even when a student is passing the course, but is **“at risk”** of failing the course at semesters end (i.e. borderline achievement of less than 60%).

## Absences /Lates:

If you are absent or late for class, it is **your** responsibility to obtain any work or notes that have been missed. This needs to be done ASAP. Please do not come back to school from an absence and tell me you don't know what is going on. It is **your** responsibility to find out. E-mail me or contact the school to arrange for missed work.

If you are late for class please stand outside the door and wait for me to let you in the classroom. While outside, please do not disturb or distract any of the students inside the classroom.

## Late /Missed Assignments:

**Late assignments will be accepted up and until that assignment is marked and handed back to students. After such date work will be accepted if completed in my classroom during lunch or before school.**

**Labs, tests and quizzes are to be done on prescribed days. If they are missed, one week will be given to be completed the work as they are put away for the semester.**

*\*\*\*Exceptions will be given for extenuating circumstances only\*\*\**

**Copied Work or Tests** (in part or completely) **will result in a mark of 0 for both individuals.**

## Quizzes / Tests

You can expect a **quiz** on at least a **weekly** basis. Quizzes will be based on the homework/class work from the week. Because of the weekly quizzes, it is very important to complete all of homework and ask for help **before** you come to class.

## Extra help:

If you have problems with homework, assignments or the course content please do not hesitate to ask me for help. I'm available most mornings and after school. Lunchtime meetings can be arranged if needed. This semester my schedule is as follows:

- Block A -- Pre-Calc 11      Room C006
- Block B – Pre-Calc 11      Room C006
- Block C – Pre-Calc 12      Room C006
- Block D – Physics 11      Room C006

## A message from Ms. Dodge:

The Physics 11 course is a challenging one. It is imperative that students keep up with their homework and assignments. In order to be successful in this course, a student needs to be focus and diligent about their homework and study habits. I'm always willing to help so *please* do not hesitate to ask.

It is my belief that science as a discipline should be examined in a hands on learning environment in which students are actively involved in their own learning as much as possible. Therefore, I will attempt to utilize a number of different teaching strategies that are of interest to the students, and make learning the subject matter as much FUN as possible. I welcome feedback on my approach to teaching science from students and parents at all times!!!

## Contact Info:

If you need to contact me outside of school hours please feel free to e-mail me at [dodge\\_a@surreyschools.ca](mailto:dodge_a@surreyschools.ca)

**\*\*Please keep this outline in the front of your notebook for future reference\*\***

## Topics Covered:

Unit 1: Skills, methods and Nature of Physics, Metric Conversions, Scientific Notation, Sig Figs and Graphing	1 ½ Weeks
Unit 2: Kinematics in 1-D Vectors, Displacement, Velocity, Acceleration	5 Weeks
Unit 3: Newtons Laws Newtons 1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> Law	4 Weeks
Unit 4: Kinematics in 2-D Independence of perpendicular variables, projectiles	3 Weeks
Unit 5: Forces Forces, Gravity, Friction, Elastic	6 weeks
Unit 6: Work and Energy Work, Power, Potential and Kinetic Energy, Law of Conservation	3 Weeks
Unit 7: Electricity Ohm's Law, DC circuits	3 weeks
Unit 8: Waves and Optics Light, Sound, mechanical waves and Optics	2 weeks