

PHYSICS

Course Code: SPH 3UI

Teacher: S. R. Jackson

Text: Physics - Concepts and Connections, Irwin, 2001.

Prereq: SNC 2DI

force · music
 · motion · power ·
 electricity · nuclear ·
 work · heat · newton ·
 projectile · magnet ·
 relativity · doppler ·
 wave



WELCOME TO GRADE 11 PHYSICS

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

WHAT YOU WILL LEARN

TERM 1		TERM 2	
Introduction	Unit 0	Energy and Society (Thermo and Nuclear)	Unit 3
Kinematics	Unit 1	Waves and Sound	Unit 4
Forces	Unit 2	Electricity and Magnetism	Unit 5
Energy & Society (Mechanics)	Unit 3		



Things you need in class:

- Scientific Calculator - not an iPod
- 3-ring binder and lined paper
- pencils or pens
- ruler

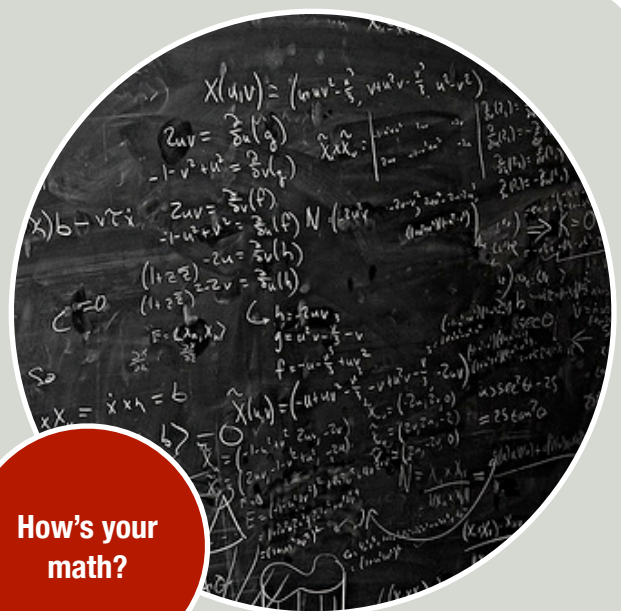
ASSESSMENT IN SPH 3U1

Knowledge & Understanding, Inquiry, Application and Communication

The evaluation of your progress will occur on a regular basis. Expect a major test/summative assignment at the end of each unit of study. Make sure you are ready at the end of each unit: **review your notes, complete practice problems** and **get help** with any work you don't understand.

It is important that you keep all of your tests, assignments, quizzes and projects and that you make corrections. These corrected materials will help you improve on your mistakes and will be useful when you study for your final exam.

These assessment techniques are used to measure your ability in the various areas of the achievement chart for science: Knowledge and Understanding, Inquiry, Application and Communication. Each technique measures your performance across the achievement chart in a different way.



How's your math?

ASSESSMENT TECHNIQUE	PURPOSE
Tests	Summative
Problem Sets	Summative
Labs	Formative/ Summative
More Than Just Numbers	Formative/ Summative
Quizzes	Formative
Assignments	Formative

FINAL GRADE	
Course work	70%
Summative	30%

Participation Helps You Learn

You must do all work on a daily basis in order to be successful. Time spent completing homework will differ from student to student, but you must attempt all homework questions. **Check your final answers in the back of the textbook.**

If you have a question, please ask it! When your teacher asks you a question, please answer it! Do not be embarrassed if you are confused about a topic - physics is tough - if you are unsure, chances are someone else is too.

Should I Attend This Class?

Regular attendance is essential to your success in physics.

If you are absent for a test, lab or other assignment due to an illness or a school related activity, **you are responsible** to see your teacher upon returning to school and make arrangements to complete the missed work. Invalid or unsubstantiated absences are taken seriously and could result in a mark of **zero**. You may be asked to provide a doctor's note to validate an absence for any summative assessment.

GOOD TO KNOW

Textbooks are the property of KCI and are on loan to students. You are responsible for maintaining the good condition of your textbook while it is in your possession. The replacement cost of a damaged textbook is \$130. **Students are responsible for the replacement cost of a lost or damaged textbook.**

"I think physicists are the Peter Pans of the human race. They never grow up and they keep their curiosity."

-- Isidor Isaac Rabi

KWC & VS

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