

PHYSICS 12

Course Outline

TEACHER: Mr. Sloan, leigh.sloan@sd23.bc.ca, voice mail: 870-5000 ext 6539

WEBSITE <http://sloanzone.weebly.com/>

The website contains important information such as outlines and handouts. It also contains class notes for students who are absent.

TOPICS

1. Kinematics (2 - D), Vector Review and Applications
2. Dynamics (forces and momentum) and energy (also work, power and efficiency)
3. Static Equilibrium (translational and rotational)
4. Circular motion (includes universal gravitation)
5. Electrostatics (effects of charge and voltage)
6. Current Electricity (Circuits)
7. Electromagnetic interactions (electrical current producing magnetic fields)
8. Electromagnetic Induction (using changing flux to induce EMF and current)

EVALUATION Marks are posted on JupiterEd. Please see letter on reverse

Your course mark will be based upon assignments, labs and tests. Marks are cumulative throughout the semester with a final exam at the end of the semester worth 20%.

Assignments	10%
Labs	15%
Quizzes	10 %
Tests	<u>65 %</u>
	100%

Rewrite Policy: There are no rewrites on quizzes. Quizzes are taken directly from homework assignments and are a way to ensure homework is being completed. **You may rewrite one test per term.** This will be near the end of term.

EXPECTATIONS:

1. Students are expected to attend class regularly, be punctual, and have all necessary equipment.
2. All electronic devices are to be turned off during instructional time. This includes cell phones, ipods, mp3s etc. They are NOT to be used as calculators on quizzes or tests.
3. ALL work missed because of absences must be completed.
4. If students are required to leave class early for an appointment, a note must be provided or a phone call to the office is required.

EXTRA HELP

Students who are absent or require extra help on difficult topics MUST get the extra help they require to keep up. Help is available during class time, before school each day and Mondays and Wednesdays at lunch.

SUPPLIES

Pen, Pencil, Eraser, Ruler, Paper, Scientific Calculator.

It's OK to use JupiterEd

It's NOT OK to use JupiterEd

Student Name: _____ Parent Signature _____

Parent email (for mark updates, correspondence) _____