

Physics 20

Teacher: Mr. J. Netzel

Email: jnetzel@rockyview.ab.ca

Phone: (403) 948-3800

Senior High Science Program Philosophy

The senior high science programs are designed to help all students attain the scientific awareness needed to function as effective members of society. The expected student knowledge, skills and attitudes are approached from a common philosophical position in each science course.

In the senior high science programs, students focus on learning the big interconnecting ideas and principles, which provide continuity with the junior high program and build on students' previous learning.

The senior high science programs place an increased emphasis on developing methods of inquiry that characterize the study of science. Students will be expected to show an appreciation for the roles of science and technology in understanding nature. The learning context is an integral part of the senior high science programs. Learning opportunities will be made meaningful by providing concrete experiences that students can relate to their world.

The senior high science programs place students at the centre. Students are active learners and will assume increased responsibility for their learning. They will appreciate the value of teamwork and make a positive contribution when working with others to solve problems and complete tasks.

Review:	Science 10 and major concepts	3-5 classes
Unit 1:	Kinematics	15 classes
Unit 2:	Dynamics	20-25 classes
Midterm:	Units 1 & 2	2 classes
Unit 3:	Circular motion, work and energy	20-25 classes
Unit 4:	Oscillatory Motion & Mechanical Waves	15-20 classes

Evaluation	Unit Marks
Assignments and labs	10%
Quizzes	15%
Project	10%
Unit tests	35%
Final	30%

Science Department Expectations

Procedure - It is reasonable to expect each student to be punctual for each class period. Repeated lateness is disrespectful and discourteous and, if not corrected tends to become commonplace. Corrective action may include detention time, extra work or assignments, or in chronic situations referral to administration.

Assignments - When a student is absent it is their responsibility to contact the teacher about missed work and to determine a mutually agreeable time for missed assignments to be handed in for marking. If no attempt is made to contact the teacher within one day of the student's return, or the work is not completed within agreeable time, a zero will be given. Missed assignments as a result of unexcused absences will result in a mark of zero.

Exams - Students who are absent during the year for exams may not be allowed to write missed exams. In this case the final exam for those students will be more heavily weighted to make up their missed exam. However, some teachers may have an alternate exam for the student to write. This varies from teacher to teacher. All students are expected to be present for their final exams whether the exam is written in the classroom or other location. The only acceptable excuse for missing a final exam is illness. A medical certificate is required to verify this.

Calculator Policy - It is the student's responsibility to have an appropriate calculator for tests, quizzes, and assignments. Calculators may be used for exams/quizzes, but may not be shared. Calculators will not be lent out to students by their teacher. No information, text, or formulas may be stored in electronic form. Calculators will be cleared before quizzes, exams, and the final exam.

Appeals - Students and parents may direct, in writing, any appeal of the final grade to the school Principal (see page 19 of the student handbook).