

2015-2016 SCIENCE 9 COURSE OUTLINE

Ms. J. Adolf
Mr. N. Cobble
Mr. I. Ferguson
Mr. S. Horne
Mr. M. Verhees

<http://bertchurch.rockyview.ab.ca/>
<https://sites.google.com/a/rvschools.ab.ca/bchs-sci-9/home>



Course Description and Philosophy

Science 9 contributes to the overall goal of education in five ways:

1. Encourage students at all grade levels to develop a critical sense of wonder and curiosity about scientific and technological endeavors.
2. Enable students to use science and technology to acquire new knowledge and solve problems, so that they may improve the quality of their own lives and the lives of others.
3. Prepare students to critically address science-related societal, economic, ethical and environmental issues.
4. Provide students with a foundation in science that creates opportunities for them to pursue progressively higher levels of study, prepares them for science-related occupations, and engages them in science-related hobbies and appropriate to their interests and abilities.
5. Enable students, of varying aptitudes and interests, to develop knowledge of the wide spectrum of careers related to science, technology and the environment.

Science 9 is designed to attain the above goals. The course contains five units all weighted equally involving chemical science, earth science and physical science. Emphasis is placed on three areas: nature of science, science and technology, and science, technology and society.

Unit	Approximate Length	Chapter	Evaluation
Biological Diversity	7 weeks	1	15 %
Matter and Chemical Change	6 weeks	2	15 %
Environmental Chemistry	5 weeks	3	15 %
Electrical Principles and Technologies	6 weeks	4	15 %
Space Exploration	4 weeks	5	15 %
Project	4 weeks		15 %
Review	1 week		
Provincial Achievement Test			10 %

Evaluation

Student report card marks are determined on the basis of homework, class assignments and projects, quizzes, unit exams, and a final exam. A general mark breakdown follows:

Term Work:		
	Projects	20%
	Assignments/Labs	40%

	Quizzes	20%
	Unit Tests/Practical Exams	20%

Extra Help

Extra help is available from the course instructor. It is the responsibility of the student to recognize when extra help is needed and then contact the course instructor.

Course Materials/Textbook

Science Focus 9 (\$111.60) - textbook can accessed digitally

Binder	Pencils	Calculator	Protractor	white board markers
Paper	Ruler	Lab Duotang	Personally Owned Device (Tablet/Computer)	

Science Department Expectations

Late 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.

Excused Absences

Students will be permitted to write a make-up test/quiz as long as it is within an appropriate time period, this will be at the teacher discretion. If the student cannot write a make-up test/quiz then the unit test or final exam mark may be substituted for the missed test/quiz, this is again at the teacher discretion.

If a student has missed an assignment or lab due to an excused absence then that student will be given the assignment or lab data and permitted to hand in the assignment/lab for marking without penalty at the teacher discretion.

Unexcused Absences

Quizzes and Unit tests that are missed as a result of an unexcused absence will result in a mark of zero. Any assignments or labs that are incomplete due to an unexcused absence will not be accepted and will result in a mark of zero.

Late Assignments, Incomplete Assignments, and NHI's

The teacher will periodically accept late assignments and labs not previously handed in. This does not include assignments not handed in due to unexcused absences. The late assignment/lab will be marked for completion only. Any late assignment/lab will be worth a maximum of 50% of the original assignment mark. The teacher deadline to accept late, incomplete and NHI assignments will be a window of opportunity at the end of a unit of work as specified by the individual teacher.

Calculator Policy

It is the student's responsibility to have an appropriate calculator for tests, quizzes, and assignments.

- Calculators may be used for exams and quizzes, but may not be shared.
- Calculators may not be lent out to students by their teacher.
- No information, text, or formulas may be stored in electronic form.
- Calculators may 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 the student handbook).