

Science 10

Course Outline

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Course Description

Science 10 is the last course that covers all four major branches of science. The areas of study are Biology, Chemistry, Physics, and Earth Science.

Units

Biology	Chemistry	Physics	Earth Science
-DNA structure and function -patterns of inheritance -mechanisms for the diversity of life: -mutation and its impact on evolution -natural selection and artificial selection -applied genetics and ethical considerations	-rearrangement of atoms in chemical reactions -acid-base chemistry -law of conservation of mass -energy change during chemical reactions -practical applications and implications of chemical processes, including First Peoples knowledge	-nuclear energy and radiation -law of conservation of energy -potential and kinetic energy -transformation of energy -local and global impacts of energy transformations from technologies	formation of the universe: -big bang theory -components of the universe over time -astronomical data and collection methods

Classroom Expectations

Attend	<ul style="list-style-type: none"> • Come to class on time every day • Bring all required materials
Try your best	<ul style="list-style-type: none"> • Focus during class time • Complete all assignments to the best of your ability • Study for tests and quizzes • Come in for help during Flex, at lunch or after school
Be respectful	<ul style="list-style-type: none"> • Speak at a reasonable volume • Use school appropriate language • Raise your hand to speak during the lesson • Be kind and encouraging

Required materials

Students must come to class every day with the following materials:

- Pencils, eraser, pens
- Lined paper
- Binder
- Ruler
- Calculator
- Pencil Crayons
- Science Connections 10 textbook

Grading and evaluation

Overall mark will consist of 80% from coursework and 20% from the final exam.

The class mark will consist of 50% from unit tests, 25% from quizzes, and 25% from homework and labs.

My MyEd gradebook is available online (password protected).

You can access it by following the instructions on this page: <http://css.sd33.bc.ca/myed-information>

Absences

If a student is away from class, it is their responsibility to catch up on any missing work. They are not excused from the activities from that day. Students can check my website to find out what was missed.

If additional help is required, I am available in room 3007 for Flex on Tuesdays and Thursdays. I am also usually available for help at lunch or after school.

Cell phones

Yes	No
<ul style="list-style-type: none">• Use during work time• Work is still being done• Headphones to listen to music• Use for educational purposes	<ul style="list-style-type: none">• Use during the lesson• Use during a test or quiz• Work is not being done• Videos or music being played out loud without headphones• Taking pictures or videos in class• Inappropriate content

If these rules are not followed I reserve the right to confiscate cell phones or ban cell phones from class.

Cell phones are not allowed to be used as calculators. A real calculator is required for this class.