

COURSE: Science 10 (SC10)

INSTRUCTOR

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RECOMMENDED PRE-REQUISITES

Science 9

CREDITS

4

OVERVIEW

The Big Ideas, Content, and Curricular Competencies for this course can be found here: [Science 10](#)

BIG IDEAS

DNA is the basis for the diversity of living things.

Energy change is required as atoms rearrange in **chemical processes**.

Energy is conserved, and its transformation can affect living things and the environment.

The formation of the **universe** can be explained by the big bang theory.

Welcome to Science 10! I look forward to working with you to complete this online course. Science 10 is a broad-based course in which students investigate genetics and inheritance, chemical reactions, transformation of energy into different forms as well as the global and local impacts of energy use, and the formation of the universe.

The unit content outlined below, which I hope you will find interesting and relevant to your life, will be used as the framework for the continued development of your curricular competencies in Science.

Course Layout:

Unit	Topic
1	Biology
2	Chemistry
3	Physics
4	Earth Science
Final Exam	

ASSESSMENT

Your grade for the course will be calculated as follows:

Category	Weighting
Learning Guides	15%
Projects	25%
Unit Quizzes and Tests	35%
Final Exam	25%

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Learning Guides and Projects

Please focus on accurate, neat and organized assignments. If you can't figure out a question, do some research to ensure assignments are complete. You can also contact me through the course messaging for help. Projects allow you to make some choices on how you wish to improve your understanding of the science content and develop your science competencies. As you work through the units, look for projects that will enhance your understanding in areas of interest to you. Everyone is to complete any four (4) projects of their choice.

Course Pacing Expectation

Our online courses have continuous enrollment and are self-paced but to remain active in your course you are required to show steady progress in your course work and communicate with me each week. The suggested pace for this course is to complete one unit every two weeks. If you cannot meet this requirement, please contact me to communicate your plan for continuing or catching up.

Exam Supervision

Before you write a unit exam, you must send me all the unit assignments leading up to the exam. Unit quizzes can be done on your own (not supervised). Use them as practice – ie. Give them a try first, then refer to notes if you need a little extra help. Keep track of where you needed help and review that material prior to your Midterm and Final exams. The Midterm exam and Final exam are "closed book" and require supervision. These exams can be written at vLearn or with your DL mentor at your home school.

Resources

All required materials are included in your online course.

Keys to Success

1. Actively work through each lesson, trying examples and reflecting on material.
2. Use the Learning Guide as your tool for documenting your understanding. Lay it out neatly and well organized.
3. Make sure you understand any quiz/exam question you get wrong. If you can't figure it out, ask for help.
4. Be sure to use your school district e-mail system for regular communication with me.

REGISTRATION

Please note – vLearn is a District Online School and can only serve students in the SD22 Catchment Area. Grade 8/9 students need approval from their home school administrator to take courses with vLearn. Please use your SD22 email address to register (000000@sd22.bc.ca)



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