

COURSE: Science for Citizens 11 (SCCT11)

INSTRUCTOR

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RECOMMENDED PRE-REQUISITES

Science 10

CREDITS

4

OVERVIEW

The Big Ideas, Content, and Curricular Competencies for this course can be found here: [Science for Citizens 11](#)

BIG IDEAS

Scientific processes and knowledge inform our decisions and impact our daily lives.

Scientific knowledge can be used to develop procedures, techniques, and technologies that have implications for **places of employment**.

Scientific understanding enables humans to **respond and adapt to changes** locally and globally.

Science and scientific literacy play a key role in educating citizens of today for the world of tomorrow. Critical to succeeding in this endeavour are the core competencies that provide students with the ability to think critically, solve problems, and make ethical decisions; to communicate their questions, express opinions, and challenge ideas in a scientifically literate way; and to exercise an awareness of their role as ecologically literate citizens, engaged and competent in meeting the responsibilities of caring for living things and the planet. First Peoples knowledge and perspectives and other traditional ecological knowledge are embedded throughout the Science curriculum

The course is broken down as follows:

- **Unit 1: Health & Nutrition** - Health and Nutrition, Health and Lifestyle, Supplements.
- **Unit 2: Science at Home** - Chemicals in the Home, Home Technologies.
- **Unit 3: Science at Work** - Workplace Chemicals and Safety, Waste Recycling and Disposal, Jobs in Materials Science.
- **Unit 4: Weather & Climate** – Extreme Weather Events, Disaster Preparedness, Agricultural Practices and Processes.
- **Unit 5: Sustainability** - Energy Generation and Needs, Sustainability of Resources.
- **Unit 6: Forensic Science** - Crime Scene Investigation, Estimating Time of Death, Examining Questioned Documents, Hair and Fiber Analysis, Analyzing Chemical Substances, Fingerprinting, DNA and Identity, Forensic Anthropology.

ASSESSMENT

Your grade for this course will be calculated as follows:

Item	Weight
Learning Guides	20%
Projects	35%
Tests	25%
Final Exam	20%

Before you write a unit test, you must submit the related Learning Guide.

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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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