

Course: Science for Citizens 11

Course Length: 10 months

Teacher: Elixia Neumann

(approx. 120 hours)

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Course Curriculum

The curriculum for this course is built around the following 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.
<p>Students are expected to know the following:</p> <ul style="list-style-type: none"> - evidence-based decision making through science - personal and public health practices, including First Peoples traditional health and healing practices - impact of technologies - personal safety and awareness - workplace safety - certifications - practical applications of science in the workplace - impacts of technology in the workplace - applications of materials science - beneficial scientific innovations - natural hazards and responses - human impact on Earth's systems: <ul style="list-style-type: none"> - natural resources - effects of climate change - actions and decisions affecting the local and global environment, including those of First Peoples. 		

Assessment of Learning

Category	Weighting
Learning Guides	35%
Unit Projects	25%
Unit Exams	40%

Resources

- Textbook not required. All resources are available online.
- Scientific calculator required.

Course Content

Each unit contains formative assessments of quizzes, a Learning Guide and an Inquiry Project, in addition to a summative assessment of a Unit Test.

Students must submit the Unit 1 Learning Guide or Inquiry Project to be activated in the course.

There are 6 Units in this course:

Unit 1: Health and Nutrition

Unit 2: Science at Home

Unit 3: Science at Work

Unit 4: Weather and Climate

Unit 5: Sustainability

Unit 6: Forensics Science

Keys to Success

Throughout the course, students are expected to:

- contact the teacher by email or phone when help is needed, or questions arise
- be actively engaged and submitting work on a regular basis
- inform the teacher when they will be inactive for two or more weeks.
- be aware that if they are inactive in a course for four or more weeks they may be removed from that course
- check their email at least twice a week
- create and submit completed solutions for all activities in the unit/chapter before requesting a test.
- cite all sources properly
- answer in their own words
- check that their work and tests have been marked.
- make appointments to write tests at least 2 school days in advance. Tests must be supervised by a parent or guardian.

Plagiarism

Plagiarism is unacceptable under any circumstance. You are expected to create authentic work which demonstrates your own understanding. If you are caught cheating, plagiarizing, or submitting AI-generated responses within this course, you may be removed from the course.