



Science for Citizens 11

COURSE OUTLINE

Overview

We live in a constantly changing world where science, technology and society interact. Through exploration of various topics, students will develop skills for analyzing these interactions in order to become citizens capable of evaluating information and making well-informed decisions. How is technology used to solve crimes? What are possible alternatives to animal testing? Why are computers necessary in today's world? Can we cope with toxic waste? How is transportation impacting our environment? What are alternative energy sources and how feasible are they? Although many of these questions do not have simple solutions, throughout the course students will gain knowledge, skills and develop attitudes that can impact their future as decision-makers. **This course fulfills the Science 11 requirement for graduation, but does not qualify as a science prerequisite for most university programs.** This course is delivered online and students are provided with handy entry windows for responses to questions or "upload" buttons for larger files.

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.

The Learning Standards which includes Curricular Competencies and Content can be found at <https://curriculum.gov.bc.ca/curriculum/science/11/science-for-citizens>

Prerequisites: None

Course Content and Timelines

The timelines suggested are based on a 10 month Fall course (September to June). If you are joining a course with less time left, you will want to adjust your timing accordingly. **Timelines should be adjusted based on each student's situation.**

Unit 1: Health & Nutrition (6 weeks)

Unit 2: Science at Home (6 weeks)

Unit 3: Science at Work (6 weeks)

Unit 4: Weather & Climate (6 weeks)

Unit 5: Sustainability (6 weeks)

Unit 6: Forensic Science (6 weeks)

Course Materials

No textbook is required. Course content is delivered on our online platform by videos, online links, and associated worksheets.

Additional Websites

None

Assessment Information

Learning Guides	30%
Unit Tests	40%
Projects	30%

Assignments

All units contain one or multiple assignments within each lesson. All instructions for each assignment are contained within the lessons along with information on how they will be assessed above the assignment submission links. Once the assignments are complete they should be scanned (if needed) and uploaded to the assignment submission box for marking. ALL digital work must be done in Google so that the creative process may be tracked. In other words, the use of AI is extremely limited.

Tests

Unit Tests (6) to be written on your own – no passwords required.

Quizzes

None

Reporting

Progress Reports

These will be sent to both students and parents. These reports are sent via email and are based on the email(s) you provided. Please make sure your online profile is up to date with this information to ensure you receive the reports.

Report Cards

These will be issued for the Fall term in November, March, and June. For Spring/Summer, only a final report card will be issued in August. These reports are available for Delta School District students on our student management system. For those not attending one of our high schools, please call our Continuing Education office 604-940-5550 to receive a copy.

For more information regarding mark entry windows and grading, please visit the following webpage: <https://www.deltaaccess.ca/explaining-the-mark-entry-windows-and-grading-for-delta-access/>

Only students who have done enough work to meet the activity requirement for the course will get report cards by the mark entry windows outlined by their teachers. Even if you are getting progress reports, you are not considered an active (official student) until this is met. For Science for Citizens 11, **you must first complete the Unit 1 Learning Guide in order to be an active student in the course.**

Initially, course reports will be based only on assignments that students have submitted. At a later date, all missing assignments will count in grade calculations, giving students a realistic picture of current course standings. It is important when viewing report cards and progress reports up until this point that the amount of the course completed is taken into consideration. **(ie. 90% standing in a course that is only 10% complete is very different than 90% in a course that is 80% complete)**

Plagiarism

Plagiarism and Academic Dishonesty

ChatGPT or AI

Use of the new AI technology ChatGPT or AI is also in violation of the Delta Access Plagiarism policy. If student work is suspected to be produced with artificial intelligence it will be run through one of our AI checkers to confirm. If confirmed it will be treated the same as any other plagiarism violation <https://www.deltaaccess.ca/plagiarism/>

Plagiarism is the unauthorized use or close imitation of the language and thoughts of another author and the representation of them as one's own original work, as by not crediting the author (Dictionary.com) <http://dictionary.reference.com/browse/plagiarism>

Plagiarism can be done either intentionally or accidentally. Regardless, it is an academic offense that carries with it varying levels of consequences – from a mark of zero for work submitted to expulsion from the course and/or on-line program. Plagiarism takes various forms: copying another's work, not citing another's original work, cutting and pasting from the internet and claiming the work as your own, allowing other students to copy and submit your work as their own, and so on. It is YOUR RESPONSIBILITY to be aware of the rules around using and citing other people's work.

An excellent website that answers questions about plagiarism can be found at:

<http://www.plagiarism.org/>

<http://www.grammarly.com/>

<http://www.englishclub.com/writing/plagiarism.htm>

<http://australianhelp.com/plagiarism>

If you are uncertain as to whether you may be plagiarizing someone's work, check with your teacher or consult the many websites that outline the rules.

If a student is found to have submitted plagiarized work, the Delta Access teacher will notify both the student and Delta Access administration to document the violation and to determine further consequences. Repeated occurrences of plagiarism will likely result in a final mark of "Failure" in the specific on-line course.

Contacting your Teacher

I can be contacted using the D2L messaging tab or dburgess@deltalearns.ca My website is: www.theburge.weebly.com. I generally respond from 5 to 9pm on weeknights. If you need help with any of the material, do not hesitate to ask.

If you have any concerns that cannot be addressed by your teacher please contact Delta Access – btereposky@deltaschools.ca or call 604-599-6398.