

Science for Citizens 11 Course Outline

Focus:

This course is based on real-world, practical applications of science.

Big Ideas we will expand on:

How scientific processes and knowledge inform our decisions and impact our daily life	How scientific knowledge can be used to develop procedures, techniques and technologies that have implications for places of employment	How scientific understanding enables humans to respond and adapt to changes locally and globally
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For more details on the learning standards for Science for Citizens 11, visit the curriculum page: <https://curriculum.gov.bc.ca/curriculum/science/11/science-for-citizens>

Topics:**Unit 1: The Science of Health**

- The Science of Maintaining a Healthy Body
- Health and Lifestyle
- Substances, Supplements and Your Health

Unit 2: The Science of Maintaining a Home

- Chemicals in the Home
- Home Technologies

Unit 3: Science at Work Sites

- Workplace Chemicals and Safety
- Jobs in Materials Science
- Agricultural Practices and Processes

Unit 4: The Science of Climate and Disaster Preparedness

- Extreme Weather Events
- Disaster Preparedness

Unit 5: The Science of Sustainability

- Energy Generation and Needs
- Sustainability of Resources (clothing)
- Waste Recycling and Disposal

Unit 6: The Science of Crime

- Crime Scene Investigation
- Other Types of Forensic Science
- Fingerprints
- DNA

Assessment:

- Daily work (notes, discussions, activities, labs) 50%
- Quizzes and tests 50%

Supplies:

- Pen, pencil, eraser
- Lined paper
- We will store our work in classroom folders

Weekly Plan:

Mon	Tues	Wed	Thurs	Fri