

Science 8



Course Description

Science 8 requires students to complete four units: Biology, Chemistry, Physics and Earth Science. You can complete the units in any order, but for success, order within the units is important.

The course is divided up into 4 Units. Each unit consists of a learning guide package and one project. Students will have the choice to complete one project per unit OR one large Science Fair project. There is no cumulative final exam.

Biology:

In this unit you will be learning about different types of cells, the roles each part of the cell plays in the cells survival and cell theory.

Chemistry:

In this unit you will take an in depth look at states of matter and the atoms' behavior. You will also explore what an atom is made of and the theories that have shaped our perspectives.

Physics:

In this unit you will see the properties of light and how it behaves. You will also look at electromagnetic radiation and its effects.

Earth Science:

In this unit you are able to learn about local geographical events of significance. You will be able to discover amazing tells of why certain places are more prone to earth quakes and even take a look at volcanoes.

Course Materials

There is no textbook issued for this course. Instead, lessons are provided through Brightspace.

Curriculum

The Curriculum for this course is available at:

<https://curriculum.gov.bc.ca/curriculum/mathematics/8/core>

Assessment & Evaluation

Item	Weight
Learning Guides	24%
Projects (4)*	52%

*option to replace four projects with one Science Fair project

Learners are expected to spend 90-120 hours on the course. This time includes viewing/reading lesson resources; researching the technique or focus of the assignment, planning, making, and completing coursework; submitting the assignment and reviewing feedback.

When learners are not meeting the learning outcomes/falling behind

When learners fall behind the expected pace or plan, they will be contacted via email or phone and if there is no improvement or response, parents will also be contacted. If deemed necessary, contact with the learner's home school may also occur to help determine a solution.

Learners are expected to let the course teacher know when they are struggling with course content. In response, the course teacher will provide appropriate help or strategies to support learning. The course teacher will also provide feedback on course work to support learning and help learners improve. Parents will be made aware if their child is actively working but struggling to meet the learning outcomes of the course.

Learners falling behind in a manner where it does not appear that they will complete the course within a year will be sent reminder emails. Without a response or renewed efforts in the course, the learner may be assigned an F or withdrawn. Should they begin actively working in the course, the learner may be given an alternate completion date.

Inactivity and Communication

Learners are expected to login and submit work in their online courses on a weekly basis. EBUS teachers monitor learner participation, work submission and periods of inactivity in their courses. Learners who do not submit assignments will receive an email or phone call to discuss the concerns.

Learners who receive an inactivity email must contact their teacher to communicate their intentions for the course and their plan to engage in the course.

Communication between learners and teachers is important. EBUS Academy offers a flexible learning environment, and we understand that various circumstances can arise that prevent learners from engaging in their courses. When learners anticipate being absent from their online course, they should contact their teacher in advance, whenever possible.

Integrity Policy [\[EBUS Academy Integrity Policy\]](#)

At EBUS, you're expected to complete your own work and use tools—including AI—responsibly. Integrity means showing what you know and giving credit when you use help or ideas from others.

Exams, Tests, and Quizzes

Complete all tests independently without notes, devices, or AI unless permitted by your teacher.

Cheating or unauthorized use of AI/internet may result in a zero, test retake under supervision, or other consequences.

Plagiarism

Plagiarism is using someone else's words, ideas, or AI-generated work as your own. Avoid it by writing in your own words and citing all sources (including AI tools). Use bibme.org for citations.

Consequences range from warnings to zeros to redoing work under supervision.

AI Use

AI tools may only be used when explicitly permitted by your instructor. If allowed, you must include an AI Use Statement (e.g., "Used ChatGPT [May 2025] to brainstorm ideas; rewrote in my own words") and cite the tool. AI-written essays, code, or images submitted as your own work are not permitted.

Consequences

If unauthorized help or AI use is suspected, your teacher will contact you. Consequences depend on severity and may include warnings, resubmission, zeros, or withdrawal from the course.

Learner Expectations

- Adhere to the EBUS Academic Integrity Policy.
- Contact your teacher when help is needed.
- Review feedback from assignments and tests, where applicable.
- Work to complete the course in a timely manner.
- Communicate respectfully.
- Review weekly progress reports.

Reporting

There are three Written Learning Updates that are accessible from the learner dashboard. An email will go out when these are available.

The teacher will regularly send out progress reports showing the learner's progress, on weeks that EBUS Academy is in session.