



Science 7
EBUS Academy

Course Overview:

The Course:

Science 7 requires students to complete material in four areas of study: Biology, Chemistry, Physics, and Earth Science. Along with these, there is also a Start-up unit and a Thinking Task unit. The Start-Up unit is intended to emphasize the scientific mindset and to work on key skills required for success with the scientific method. Thinking tasks for each unit are required to be completed before access to the actual unit is granted, so students will be returning to that section throughout the course. Students will be asked to submit mini-assignments as they progress through the unit. At that time, they should also create notes, which they will submit once the learning portion has been completed. The next phase is for students to select two projects from the list provided. The units culminate with a unit test. There is no cumulative final exam for this course.

Course Materials:

There is no textbook issued for this course. Instead, lessons are provided on the learning management system - Brightspace. The prescribed learning outcomes for this course are available at: [Science 7](#)

Testing/Assessment information:

All unit tests are to be supervised. Please fill out and submit your supervisor form. This supervisor will be given the passwords to all your tests. Once you have completed the course content and quizzes for the unit, you will be able to write under supervision. **Supervised:** Any adult, of 19 years or older may supervise. All tests are **closed book**, with the use of a formula sheet and a non-graphing calculator permitted.

About each Unit:

All EBUS courses are designed to allow you to work on the material with an individualized, flexible timeline and at your own pace. However, you will want to pace yourself to ensure completion by the given end date.

Unit	Topics	Approx. Time
Biology	natural selection, adaptive radiation, ecosystems, and energy flow	15~18 hours
Chemistry	pure substances, physical properties of pure substances, mass- volume- density, crystals, physical and chemical change, and atoms versus ions	24~30 hours
Physics	Electricity, circuits, making electricity, magnetism	15~18 hours
Earth Science	Fossils, dating, climate change, footprint	15~18 hours

Note: these timelines are approximate. You may complete a unit faster or slower than these.

Grading:

The proficiency scale is being used province-wide to assess and report on student achievement in relation to the learning standards in the redesigned curriculum. This scale replaces letter grades and 4-point scales. The value in doing this is that it is strength-based, places emphasis on descriptive feedback and facilitates self-assessment a key practice for extending student learning.

The proficiency scale moves the conversation away from grades to a focus on student learning.

- Is a student proficient in a set of concepts or competencies? In other words, do they demonstrate a solid understanding of those concepts and competencies?
- What are the strengths of the student's work?
- What are the next steps the student needs to take in order to become proficient or in order to challenge themselves further?

(For more information see [Intro to Proficiency Scales](#))

Description	Percentage of Total
Start-Up Activities	2
Notes	8
Thinking Tasks and Reflection assignments	10
Assignments	15
Projects	35
Quizzes	10
Unit Tests	20

Expectations:

To Complete and Finish Successfully:

- Remain ethical and upstanding in your assessments
- Contact your teacher when help is needed
- Review feedback from assignments and tests, where applicable
- Communicate respectfully
- Review progress reports
- You work consistently to complete in the allotted time span

Progress:

Progress Reports:

Progress reports will be emailed to the address(es) on file for all students and parents/guardians every month. You can expect the email to occur near the end of the school week.

Falling Behind:

Students who do not make the effort to keep on track, may be given an "I" contract, and parent contact will be made. An "I" contract may be given for a failing grade or for not keeping up to the expected pace. An "I" is for our, and your, personal records. The "I" will not be posted on official transcripts. An "I" grade is not a fail, but rather a sign that at this moment in time, based on your progress, we cannot say with 100% assurance that you will be able to complete it by the desired date.

Contact Information:

Having Trouble or Stuck? Do you need a more in-depth explanation?

Check out the **Main Course Page** to find:

1. how to contact your instructor
2. Their preferred method of communication
 - MS Chat
 - MS Teams video conference - schedule a meeting time that suits you.
 - Moodle messaging
 - Email
 - Phone
3. Available Hours - If your teacher will be unavailable during regular hours, due to illness or any other reason, there will be an attempt to post an alert/or announcement to inform the class.