

Science 30 Course Outline – Hub

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What is the Hub?

The HUB is an innovative learning environment that delivers course material through a blended program including both online resources and face-to-face instruction. Learning through the Hub allows students to develop competencies related to independence, self-management and resourcefulness, in addition to learning the expected course content.

What can I expect to learn in Science 30?

Science 30 is an integrated science course designed for academic students who want to be scientifically literate, but do not intend to pursue a science-related post-secondary education. The common theme of "environment" is explored in units dealing with topics such as human systems, acid-base chemistry, organic chemistry, electromagnetic radiation, and energy resources. The emphasis in this course is on "breadth rather than depth" as topics covered have less detail than in the individual sciences of biology, chemistry and physics. Science 30 is accepted for entrance to all Alberta universities, Mount Royal College and is the prerequisite for many courses at S.A.I.T. and N.A.I.T. A diploma exam worth 30% of the final course mark will be written. **It is strongly recommended that students enrolling in Science 30 have the pre-requisite course of Science 20 with a minimum grade of 65%.**

What resources will I need?

Student will be provided with a username/password for The Hub upon registration. Access to the course allows access to all of the necessary electronic learning materials for the course. It is also expected that students sign out the accompanying textbook for the course from the library.

Textbook: Alberta Education: Science 30

What are my behavioural expectations for this course?

- I expect that you will attend class every day, prepared to work, with a writing utensil, an organized binder, and any other supplies or textbooks that are being used for the unit being studied.
- I expect that cell phones will be turned off before you enter the classroom; phones that are being used during class or that ring, chime, vibrate, etc. will be confiscated until the end of the lesson. Repeat offenders will receive further disciplinary action at the teacher/administrator level.
- I expect that any food or drink consumed in class is healthy and does not disturb others (smell, noises, or messes). The moment eating/drinking becomes detrimental to learning is the moment it becomes unacceptable.

- I expect that you will treat your teacher and fellow classmates with respect. Everyone has a right to be heard and to learn in a secure environment.
- I expect that you will treat the property of the school and the property of others in a proper manner.
- I expect you to always do your best. This means that you will participate in all activities involved in this class, including listening and viewing activities, and you must hand assignments in, on time and complete. I expect you to do well—and I know that you will.

What is the breakdown of grades in Science 30?

Unit A: Living Systems Respond to Their Environment	25%
Completion date: October 8, 2017	
Unit B: Chemistry and the Environment	25%
Completion date: November 4, 2017	
Unit C: Electromagnetic Energy	25%
Completion date: December 5, 2017	
Unit D: Energy and the Environment	25%
Completion date: January 19, 2018	
Total	100%

**Science 30 will have a blended grade with the course weighted at 70% and the Diploma Examination weighted at 30%. Please see your Hub teacher if you require further clarification.

Will I ever have a chance to see my teacher in person if I need help?

Yes. Hub teachers are expected to visit with all students on a weekly basis to explain any concepts and to provide help related to the course. The current schedule for visits by Mr. LaVallie for semester one is as follows:

FCBS: TBD
 HHS: TBD
 OHS: TBD

What will I be expected to do during visits by my teacher?

Students should be prepared to have questions prepared after attempts at the material have been prior to the visit. Also, you should be ready to discuss your progress in the course and to make any adjustments to your pacing so that you remain on track to complete the course on time.

What are the links for me to access help?

Learn Alberta Website: <http://www.learnalberta.ca>
 Username: LA17 Password: 5137