



ALTERNATE LEARNING PROGRAMS

Open Door Education Centre
CrossRoads Learning Centre
Six Mile Education Centre

Course offering for vLearn, Vernon Virtual Education and the Alternate Learning Programs located at Open Door Education Centre, CrossRoads Learning Centre and Six Mile Education Centre:

Science 10

The curriculum for Science 8 to 10 is grouped under four general topics. Processes of Science include skill such as observing, classifying, predicting, inferring, and hypothesizing. Scientific reasoning, critical thinking, and decision making are also part of that foundation. Students in Science 8 to 10 are building on skills and processes that they have been developing from Kindergarten through to Grade 7. These will mostly be developed as part of work related to the other curriculum organizers (e.g., understanding how microscopes work and learning how to use them will occur in relation to the study of optics and the study of life science topics such as cells and micro-organisms). Life Sciences embraces a range of biology topics, moving from the microscopic level (the study of cellular processes and how these relate to tissues, organ systems in organisms, and reproduction) to the macroscopic level (the study of ecological complexity and the diversity, continuity, interactions, and balance among organisms and their environments). Physical Sciences at the 8 to 10 level incorporates a series of topics that give students a foundation for understanding Physics (via a focus on optics, fluids, electricity, and motion) and Chemistry (via a focus on atoms, elements, and chemical reactions). Two main Physical Science topics are dealt within each year of the 8 to 10 program. Earth and Space Science is a complement to the study of topics in other areas of science (especially Physical Science), and gives students an opportunity to examine some of the macroscopic applications of scientific principles and technologies in the study of terrestrial and extra-terrestrial systems.