

## **Science: Recommendations for Success for Grade 9 Students**

### **HIGH SCHOOL SKILLS**

High School science requires a greater deal of self-discipline, focus, and practice. Regardless of the course that students enroll in, they should be prepared to learn at a faster pace than in grade 9. Students need to take ownership of their learning by meeting deadlines and working independently when they miss classes. Many students find themselves behind even after missing only one day. Students need to be able to set priorities and being a student should be priority number one.

Science is as much a process as a set of facts. Students will need to develop skills in data collection and analysis and transfer these skills from one field of science to another. Success in high school science also requires some specific mathematics skills including the ability to manipulate a formula.

### **GRADE 10 COURSE OPTIONS**

For students entering Grade 10, the largest group of students typically enter **Science 10**. This course is the starting point for Biology, Chemistry, Physics and the General Science course sequences. Success in Science 10 is dependent on having a good work ethic and good math skills.

For students that do not pass grade 9 science and/or were in a modified program, the courses available are **Science 14** or **Science 10-4** (Knowledge and Employability).

### **FULL SEQUENCING (after grade 10)**

Upon completion of Science 10, students have a choice to continue in general science (Science 20/30) and/or to branch into Biology, Chemistry, or Physics. Chemistry and Physics both require good mathematics skills and should only be taken by students who have these skills. Students who receive a grade between 50% and 60% in Science 10 are recommended to continue into Science 20. Students who complete Biology 20, Chemistry 20, or Physics 20, may enroll in Science 30 if they wish to change streams.

Students who complete Science 14 will continue in Science 24 and students who complete Science 10-4 will continue into Science 20-4.

**We wish you the best of luck in grade 10!! 😊**