



## **Welcome to Life Sciences 11!**

Life Science 11 is a course that will increase your knowledge, understanding and appreciation of the natural world. The course is designed for you to have an opportunity to observe the world around you, connect organisms together and appreciate their differences, and find out how the smallest organism can have a dramatic impact on our life. We will investigate a variety of organisms and observe how they have adapted to be successful in their environment.

This course is a manageable course for students that are prepared to work at it and who are curious about the natural world. There is a lot of material, and this is an academic course, but you can do it, just stay on top of assignments and reviewing topics.

### **Main topics of Life Science 11**

- EVOLUTION:** You will study the role adaptation, natural selection, population changes, and speciation play in evolution and how DNA controls change.
- MICROBIOLOGY:** You will study common **viruses, bacteria** and how they affect our lives.
- PROTISTS:** You will examine the weird and **wonderful world of protists**
- PLANT BIOLOGY:** Focusing on evolution and adaptation of plants. You will examine the function and structure as well as the life cycle of various members of the Kingdom Plantae. Along with Indigenous knowledge of the ecosystem throughout.
- ANIMAL BIOLOGY:** Focusing on evolution and adaptation of animals. You will gain knowledge of the major phyla of the Kingdom Animalia
- Topics subject to some change within Life Sciences depending on progression of the course throughout the semester.

### **WORK BREAKDOWN:**

- Quizzes/Unit Tests:** Designed to evaluate how well you are learning the material and if any study habits need to be changed before future assessments.
- Lab reports:** Demonstrate your skills and knowledge regarding labs that we do
- Projects/Assignments:** Demonstrate learning in multiple ways
- Midterm Assessment (In class):** Subject to pacing of the course
- Final Assessment (In class)**

**Reassessment:** Reassessment is a privilege and will only be given to students who have extenuating circumstances. (end of semester)

**Cheating and plagiarism:** This is a serious offence and as such administration and parents will be contacted.

**Help:** If you are struggling, I would suggest asking for help right away. Early intervention is essential to ensure your success.

**Missing Class:** If you have missed a class or are going away it is up to the student to make up the missing work, clear and early communication is essential to staying on top of this class if you are away.