SBI3U COURSE OUTLINE AND EVALUATION BREAKDOWN

Course Outline:

Throughout the course students will be participating in labs and activities that support the curriculum, as well as reinforce the scientific method and the links between science and society.

Unit 1: Diversity of Living Things

This will be a study of the six kingdoms of living organisms and their taxonomy. However, the focus of the unit is the evolutionary trends, and their advantages, that can be followed as students study the progression from the more "primitive" organisms to the more "advanced" organisms.

Unit 2: Plants: Anatomy, Growth and Function

This will be a very hands-on unit whereby students plant, nurture, grow and perform twenty mini-experiments on a variety of plants and explore how their structures allow for efficient photosynthesis.

Unit 3: Animals: Structure and Function

This unit explores the human digestive, respiratory, circulatory and lymphatics systems and how they work together to provide sufficient nutrients and oxygen to our bodies.

Unit 4: Evolution

This basic premise of evolution and evidence to support the theory are studied. There will be a wide variety of activities that demonstrate the mechanisms and concepts associated with modern evolutionary theory.

Unit 5: Genetic Processes

This unit begins with a study of cell division, focusing on meiosis and its link to genetics. Through the use of Punnett squares and pedigree charts, an overview of Mendelian genetics and heredity will be explored.

Evaluation:

Course Work	70%
Summative	15%
Final Exam	15%
TOTAL	100%