

**Course Description/Rationale/Overview:** This is an introductory course in Science that extends the strands and skills that were introduced in Grades 7 and 8. Concepts from Reproduction, Introductory Chemistry, Electricity, and Astronomy will be studied. Lab activities and making connections with everyday situations will be emphasized throughout the course.

### Class Requirements:

**Text: SciencePower 9**  
(Replacement cost: \$50 )

**Other materials: Calculator  
Binder**

### Missed Tests and Late Assignments

Students are to be present for test dates. There must be a verified, valid reason when a test is missed. The teacher may provide an alternative opportunity for testing or record an "absent" for that test for legitimate absences.

All summative assignments will have a clear *Due Date*. Assignments that are handed after the *Due Date* will be accepted and assessed by the teacher if submitted prior to the deadline.

Where a student has not submitted enough work for the teacher to determine the student's level of achievement the report card will indicate that the student's work is incomplete and no grade will be assigned.

### Assessment Strategies

Each unit or strand of the course will be evaluated using summative evaluations. Students will also be expected to complete assessment activities of a formative nature in order to learn and to practice the specific expectations that will compose these summative expectations. Examples of summative evaluations are tests, case studies, presentations, seminars, debates, lab write-ups, research and other writing assignments.

### Achievement Categories

Knowledge/Understanding	29%
Thinking/Inquiry	21%
Communication	36%
Application	14%

### Curriculum strands:

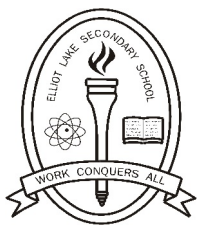
- Biology
- Chemistry
- Earth and Space  
Science
- Physics

### Learning Skills:

Works Independently  
Team work  
Organization  
Work Habits  
Initiative

### Evaluation

**The year's work will be based on a number of assignments, activities, reports, and tests that will include aspects of the four Achievement Categories.**



## COURSE OUTLINE

<b>Unit 1</b> Safety and Measurement	Chemistry Biology Physics	This is an introduction to the concepts and procedures of lab safety and measurement, and the use of microscopes.
<b>Unit 2</b> Reproduction	Biology	This unit involves a review of cell structures and processes which then lead to a study of asexual and sexual reproduction.
<b>Unit 3</b> Particle Theory	Chemistry	The Particle Theory is used to explain the structure and properties of matter in different situations.
<b>Unit 4</b> Introductory Chemistry	Chemistry	We use the Periodic Table to add details to the particles and then use atoms and bonding to explain chemical behavior.
<b>Unit 5</b> Electricity	Physics	Static and current electricity are explored in this unit.
<b>Unit 6</b> Study of the Universe	Earth and Space science	We study the elements of the Universe and use them to explain what we see in the sky.

→ **Chemistry 4C**

**Science 1P → Science 2P → Biology 3C**

→ **Physics 4C**