



## Science 1206 Course Description

Science 1206 is an academic Pan-Canadian science course that aims to develop scientific literacy. Scientific literacy is an evolving combination of the science related attitudes, skills, and knowledge students need to develop inquiry, problem-solving, and decision-making abilities; to become lifelong learners; and to maintain a sense of wonder about the world around them.

**NOTE: Science 1206 is required for graduating high school with honors or academic standing.**

Science 1206 is intended to be an introductory academic science course before taking Physics, Chemistry, Biology or Earth Systems courses. It is composed of four units that contain core labs. All schools are expected to complete these core labs.

### **Unit 1: Sustaining Ecosystems (25%)**

Core Lab 1: *Schoolyard Ecosystem* OR *Natural Ecosystem*

Core Lab 2: *Soil Nutrients and Plant Growth* OR *The Animal Community in Soils*

### **Unit 2: Weather Dynamics (25%)**

Core Lab 3: *Heat Absorption and Radiation*

Core Lab 4: *Energy Changes During Melting and Evaporation*

### **Unit 3: Chemical Processes (25%)**

Core Lab 5: *Properties of Ionic and Molecular Compounds*

Core Lab 6a: *Single Displacement Reactions*

Core Lab 6b: *Double Displacement Reactions*

### **Unit 4: Motion (25%)**

Core Lab 7: *Determining an Average Speed*

Core Lab 8: *Speeding Up and Slowing Down*

### **Assessment:**

Assessment in this course is governed by the *Assessment and Evaluation Policy* of the Eastern School District. This policy is located at [http://www.esdnl.ca/about/policies/esd/I\\_IL.pdf](http://www.esdnl.ca/about/policies/esd/I_IL.pdf). The regulations are located at [http://www.esdnl.ca/about/policies/esd/regulations/I\\_IL\\_1L.pdf](http://www.esdnl.ca/about/policies/esd/regulations/I_IL_1L.pdf).

### **Evaluation:**

|                        |     |
|------------------------|-----|
| Tests/Quizzes          | 20% |
| Performance Assessment | 40% |
| First Examination      | 20% |
| Second Examination     | 20% |

**Note: Students should be provided the Periodic Table and Chemistry Data Sheet located on <http://www.ed.gov.nl.ca/edu/k12/pub/courses/chem3202.htm> for the Chemical Processes unit. They should also be provided with all applicable formulae for the Motion unit.**