



## Science 3200 Course Description

Science 3200 is an activity-based course designed to contribute to the development of basic concepts and skills through the study of Physical Science. Throughout this course students are provided opportunity to develop their scientific literacy by engaging in the process of Inquiry, Problem Solving, and Decision Making. Core activities provide opportunity for students to develop practical laboratory skills and to engage in scientific process. STSE (Science, Technology, Society, and Environment) Modules provide students with opportunity to go beyond the facts to examine how science permeates our everyday lives. All schools are expected to complete these core areas and adhere to the sequence of units outlined below.

### Unit 1: Chemical Reactions

CORE STSE 1: *What in the World is Chemistry?*

CORE STSE 2: *Staying Safe on the Job: How to Use Material Safety Data Sheets*

CORE STSE 3: *From Alchemy to Chemistry*

CORE STSE 4: *From Light Bulbs to Fireworks*

CORE ACTIVITY 1: *Testing Ionic Properties*

CORE ACTIVITY 2: *Measuring Masses in Chemical Changes*

CORE STSE 5: *Reactions in the Real World*

CORE ACTIVITY 3: *Recognizing Acids and Bases*

CORE STSE 6: *Chemistry at Work*

### Unit 2: Motion

CORE STSE 7: *School Bus Seatbelts*

CORE ACTIVITY 1: *Your Speed*

CORE STSE 8: *The Physics of Hybrid Electric Cars*

CORE STSE 9: *The Physics of Thunder and Lightning*

CORE ACTIVITY 2: *Balloon Car Contest*

CORE ACTIVITY 3: *Determining an Average Speed Contest*

CORE STSE 10: *The Physics of the Olympics*

CORE STSE 11: *The Physics of Animal Tracking*

CORE STSE 12: *The Physics of Space Shuttle Launch*

### Assessment:

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

### Evaluation Plan for Science 3200:

Tests/Quizzes	40%
Performance Assessment	60%

**Note:** *Summative examinations are not included in the evaluation of Science 3200. Students are required to complete a formative assessment during the examination periods in January and June.*