**Science Department Course Description**

Grade 10 Academic Science – SNC 2D1 / SNC2DF

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**Course Overview (**Ministry of Education**, The Ontario Curriculum: Science)**

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter.

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**Course code**: SNC 2D1/SNC 2DF

**Credit Value**: 1 credit

**Textbook:** Dickinson Tom and et al; **ON Science 10**, McGraw-Hill Ryerson Limited, Whitby, 2009

 Dickinson Tom et al; **ON Science 10,** Chenelière McGraw-Hill Ryerson, Montréal; 2009

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* **Biology:** Cells and Tissues
* **Chemistry**: Chemical processes
* **Physics**: Optics
* **Earth and Space Science**: Climate Change

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## Course Assessment & Evaluation (Consult the Aurora High Policy)

Student achievement will be assessed and evaluated based on the provincial standards, that is curriculum expectations as outlined in the secondary curriculum policy documents.

Teachers will ensure that evaluation strategies are designed to improve student learning, are fair, valid and reliable and are varied in nature to provide many opportunities for students to demonstrate the full range of their learning.

**Achievement Categories**

**Knowledge/Understanding:** Subject-specific content acquired and the comprehension of its meaning and significance.

**Thinking/Investigation:** Use of critical and creative thinking skills and inquiry, research, and problem-solving skills and/or processes.

**Communication:** The conveying of meaning through various forms.

**Application:** the use of knowledge and skills to make connections within and between various contexts.

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| **Weightings** |  **Achievement Categories** | **Mark Distribution** |
| **Term** **Evaluation****70%** | **Knowledge & Understanding Concepts** | **21%** |
| Communication | **14%** |
| Thinking and investigation | **21%** |
| **Application** | **14%** |
| **Summative****Evaluation****30%** | **End of Unit Culminating Activities** | **10%** |
| **Exam** | **20%** |

 S**TUDENT EXPECTATIONS**

**ATTENDANCE**:

* Regular attendance is essential for a successful semester. You will be required to produce a valid admit slip issued by the attendance office following an absence.
* Please notify the teacher of any anticipated absences.
* You are responsible for all work that is missed in this course, even if the class missed was due to a school related activity. Please check the online calendar and google site for updates. Also check classroom binder for missing handouts.

 **HOME WORK & ASSIGNMENTS:**

* Homework is an integral part of the learning process and is one of the most important factors in your academic success.
* To help remember information, you could try writing out definitions, making concepts maps, preparing flashcards and asking someone in the family to test you.
* Review old and new material each night.
* All major assignments, including presentations, projects and independent study units must be completed in order to successfully complete the course requirements. Failure to hand in a major assignment could result in an “incomplete” course mark.
* Students who hand in late work are not developing appropriate work skills and will have the appropriate consequences applied.
* Teachers will set firm due dates for all assignments. If a student has not completed an assignment before the final deadline, a mark of zero will be given.

**EVALUATIONS**:

* At least a week notice will be given before a major test. You will be expected to write the test on the scheduled day, even if you have been absent during the previous periods.
* If you cheat or assist another student to cheat, you will receive a mark of zero for that test.
* Illegitimate absence from a test will result in a mark of zero. If you are absent from a test and have a legitimate reason, you may be required to write a make up test upon return to class. It is the student’s responsibility to prove the absence is legitimate.

**LABORATORY WORK:**

* Follow safety rules and the written and verbal instructions for the lab.
* Students will be removed from the lab if safety rules are not followed.
* Respect all lab equipment and use the equipment properly. Broken equipment should be brought to the teacher’s attention.

**FOOD, DRINKS, AND ELECTRONIC DEVICES:**

* Food and drinks are prohibited in the science classroom. This is a safety issue and must be adhered to by all.
* Electronic devices (ipods, cell phones… ) should not be turned on during class time and are expected to be out of sight during class. **It is up to the teacher’s discretion when musical devices can be used.** No electronic devices can be used during evaluations nor during laboratory work.

**EXTRA HELP:**

* Extra help is available after school. Your Teacher will inform you of when and where.
* Science office Rm 320