

	<p align="center">Grade 10 Locally Developed Science SNC2L</p>	<p align="center">Inspired Education. Inspiring Students.</p>
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Teacher: ****Teacher Name****

Prerequisite Course: None

Description and Overall Expectations: This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics, including science in the media, interactions of common materials, life-sustaining processes in simple and complex organisms, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

Scientific Inquiry: Science in Media: explain how science-related information is presented in print and electronic media for different purposes and audiences; investigate science-related information presented in print and electronic media using appropriate research and reporting skills; evaluate claims and presentations of science-related information in media.

Chemistry: Interactions of Common Materials: understand how chemicals in common household and workplace materials interact; investigate the types and rates of interactions between commonly used materials through laboratory activities; analyse how material interactions affect our daily lives.

Biology: Staying Alive: explain the systems and processes required by simple and complex organisms to sustain life; investigate, through laboratory activities, the processes which simple and complex organisms use to sustain life; analyse how personal health and safety in everyday life and in the workplace are protected through the proper use of equipment and safety practices.

Physics: Using Electrical Energy: explain the generation, measurement, and conversion of electricity; investigate the factors that affect the generation and use of electricity; analyse the social, economic, and/or environmental implications of the sources and uses of electrical energy.

Course Resources: [Key resource\(s\) along with supplementary resources / digital tools and sites / passwords; include replacement cost for resources if lost/damaged.](#)

Catholic Graduate Expectations: Our goal for all students is to experience an education based on our Catholic Graduate Expectations. (<http://www.iceont.ca>) We work in community to develop graduates that are:

- Discerning Believers Formed in the Catholic Faith Community
- Effective Communicators
- Reflective and Creative Thinkers
- Self-Directed, Responsible, Life-Long Learners
- Collaborative Contributors
- Caring Family Members
- Responsible Citizens

Assessment, Evaluation and Reporting: The primary purpose of assessment and evaluation is to improve student learning. Students will understand what is expected of them, using learning goals, and success criteria, based on the overall expectations. Feedback (self, peer, teacher) supports learning, and plays a critical role in academic achievement and success.

The development of learning skills and work habits is a key indicator of future success. The following learning skills and work habits will be developed, assessed, and reported during this course:

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| 1. Responsibility | fulfills responsibilities and commitments (<i>e.g. accepts and acts on feedback</i>) |
| 2. Organization | manages time to complete tasks and achieve goals (<i>e.g. meets goals, on time</i>) |
| 3. Independent work | uses class time appropriately to complete tasks (<i>e.g. monitors own learning</i>) |
| 4. Collaboration | works with others, promotes critical thinking (<i>e.g. provides feedback to peers</i>) |
| 5. Initiative | demonstrates curiosity and an interest in learning (<i>e.g. sets high goals</i>) |
| 6. Self-Regulation | sets goals, monitors progress towards achieving goals (<i>e.g. sets, reflects goals</i>) |

Group work supports collaboration, an important 21st century skill. This will be assessed only as a learning skill. Homework may also be assessed as a learning skill. Evaluation completed in class will be based only on individual student work. Regular attendance is important to support group work, various forms of feedback, and to allow students to demonstrate evidence of their learning. Students are responsible for providing evidence of their own learning (with references where required), in class, within given timelines. Next steps in response to academic integrity issues, such as lack of work completion, plagiarism, or other forms of cheating, range from providing alternate opportunities, to a deduction of marks.

The achievement chart identifies four levels, based on achievement of the overall expectations:

Level 1	achievement falls below the provincial standard	(50-59%)
Level 2	achievement approaches the provincial standard	(60-69%)
Level 3	achievement is at the provincial standard	(70-79%)
Level 4	achievement surpasses the provincial standard	(80-100%)

The report card grade will be based on evidence of student performance, including observations, conversations and student products. Consideration will be given to more recent evidence (skill development) and the most consistent level of achievement.

Mark Breakdown:

Term Work (70%) will include a variety of assessment tasks designed to demonstrate students' development in their knowledge and understanding, thinking and inquiry, communication and application, of all overall expectations.

Summative evaluation (30%) takes place towards the end of the semester, is completed in class, and provides the final opportunity for students to demonstrate what they know, and the skills they have learned, based on the overall expectations. In Science SNC2L, the summative evaluation will consist of a rich summative assessment task (30%).

Awarding of Course Credit: Students who demonstrate evidence of achievement of overall expectations, **and** earn a mark of 50% or greater, will earn one credit for the course with the following exception:

Students who do not complete their summative evaluation (exam and/or end of year summative task) will not earn their credit regardless of their mark.

Student and Parent/Guardian Acknowledgement

We have read the above course outline and are aware of the student responsibilities to attend class on a regular basis and to provide evidence of learning within the established timelines.

Student's Name (print): _____ Student's Signature: _____

Parent/Guardian Name (print): _____ Parent/Guardian Signature: _____