



Grand River Collegiate Institute

COURSE OUTLINE

For students and their families.

Course Name:

Academic Grade 9 Science

Course Code:

SNC1DI

Prerequisite:

None

Teacher

McCloskey

Contact

519-576-5100 x.6034

Curriculum Document <http://www.edu.gov.on.ca/eng/curriculum/secondary/>

Textbook: Science Perspectives 9

Course Description:

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

Strands:

Strand 1: Biology: Sustainable Ecosystems

Strand 2: Chemistry: Atoms, Elements, and Compounds

Strand 3: Earth and Space Science: The Study of the Universe

Strand 4: Physics: the Characteristics of Electricity

Essential Learnings/Expectations/Skills – To be successful in this course, students must demonstrate their learning of the following big ideas:

- Describe the dynamic nature of ecosystems, properties of elements, the components of the universe, principles of static and current electricity.
- Investigate the characteristics and properties of celestial objects, common elements and compounds, static and current electricity and ecosystems.
- Analyze the impact of the use of common elements and compounds, the hazards and benefits of space exploration, human activities on ecosystems, and energy sources.
- Communicate valid conclusions based on scientific observations.

EVALUATION: Evidence of Learning

Formative Assessment:

There will be many ongoing formative assessments throughout the course. Formative assessments serve as practice for students prior to being evaluated (summative assessment). The ongoing feedback helps students to recognize their strengths and weaknesses and provides information to the teacher regarding next steps for the student's learning. In the case where, due to extenuating circumstances, a student has been unable to complete a summative assessment, formative assessments may be used as additional evidence to support the teacher's professional judgment when determining a final grade.

Summative Assessment:

Summative assessment will occur near the end of the unit/instruction and demonstrates the student's knowledge for the purpose of evaluation and reporting. These assessments will be included in the mark shown on the student's report card.

The types of formative and summative assessments are outlined below:

Final Grade

Term Work

- Tests 35 %
- Lab Reports and Assignments 35 %
- Exam: Lab and Written 30 %

Term work

- Formal laboratory reports
- Quizzes
- Tests
- Projects
- Assignments
- Presentations

Final

- Lab exam
- Written exam

Refer to the GRCI Web Site www.grc.wrdsb.ca for Assessment, Evaluation and Reporting Policies as well as Academic Honesty and Late Policies.

Procedures

Late and Missing Assignments: It is important for students to develop good personal management skills (such as time management and planning). These skills will be reflected in the **learning skills** area of the report card. It is expected that students will complete and submit all essential tasks as they are the opportunity for you to demonstrate your learning to your teacher.

Attendance: Attendance in classes is an important part of learning, and absences should be avoided. When a student is absent, a parent/guardian must call the school's attendance line on the date of absence, or provide a note explaining the absence for the student to submit the following day. Students are responsible for what they missed during their absence.

Cheating and Plagiarism: It is important for students to do their own best work. Most assignments for this class are done within the classroom, observed by the teacher, and this helps to minimize the chances of cheating and plagiarism. In the event that cheating or plagiarism occurs, the following consequences may be implemented, in consultation with administration, depending on the situation:

1. The student may be required to redo all or part of the assignment or assessment.
2. The student may be required to complete an alternate assignment or assessment.
3. The student's work may be treated as a missed assignment.

There may also be other consequences that are determined to be appropriate (e.g. detention, suspension, etc.) as per the school's progressive discipline process. Parents/guardians will be informed about the infraction and the consequences.

Please refer to the school website: <http://grc.wrdsb.ca/about/policies> for more details on these policies and other academic procedures.

Signatures

Please sign below indicating you have read and understand the requirements for successful completion of this course.

Student Name

Parent/Guardian Name

Student Signature

Parent/Guardian Signature

Date

Date

Daytime phone number

Evening phone number

Email address