

## Sciences naturelles 10

### Course Description

This course includes content from each of the main branches of science providing foundational knowledge and skills for senior-level science courses. As part of the French Immersion program, this course is conducted entirely in French and students are expected to communicate in French at all times. During the semester, students will learn about the processes of science, chemical reactions, radiation, energy, motion, astronomy, and genetics along with overarching themes within these domains. Skills such as problem solving, collaboration, and discernment and application of information are also stressed. There is no longer a provincial exam at the conclusion of this course.

### The Big Ideas of Sciences naturelles 10

**DNA** is the basis for the diversity of living things.

Energy change is required as atoms rearrange in **chemical processes**.

**Energy** is conserved, and its transformation can affect living things and the environment.

The formation of the **universe** can be explained by the big bang theory.

### The Curriculum for Sciences naturelles 10

the curriculum in English, <https://curriculum.gov.bc.ca/curriculum/science/10/core>

the curriculum in French, <https://curriculum.gov.bc.ca/fr/curriculum/science/10/core>

- The communication, thinking, and personal and social core competencies will be incorporated throughout the semester.

The following Aboriginal Ways of Knowing will also be incorporated throughout the semester,

- Learning ultimately supports the well-being of the self, the family, the community, the land.
- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning involves recognizing the consequences of one's actions.
- Learning involves generational roles and responsibilities.
- Learning recognizes the role of indigenous knowledge.
- Learning is embedded in memory, history, and story.
- Learning involves patience and time.
- Learning requires exploration of one's identity.

### Jeff O'Keefe's website,

<http://www.jeffokeefes.weebly.com>

- Here, students will be able to find notes, documents, and videos utilized during this course along with supplemental resources and additional contact information for Jeff O'Keefe.



### Online portfolios (subject to change)

This year, ongoing student learning will be communicated to parents via a MyBlueprint portfolio. This portfolio is to be completed in addition to traditional report cards which will also be submitted at the conclusion of each of term. This portfolio will be accessible only by the student, the student's parents, and the teacher, and will provide insight into the student's progression through the core competencies, curricular competencies, and course content.

## Politiques de la salle de classe

Pour bien réussir ce cours, les élèves doivent faire le suivant,

1. **Arriver à l'heure** avec tout ce dont ils ont besoin pour l'apprentissage.
2. **Parler en français** avec ses pairs et avec son enseignant à tout moment.
3. Démontrer le **respect** envers soi-même et envers les autres.
4. Toujours **faire de son mieux** avec les travaux individuels et les travaux de groupe.
5. Compléter et soumettre tous leurs travaux à l'heure.
6. **Participer** aux activités de groupe et avec la classe entière de façon appropriée et constructive.
7. Chercher de l'aide s'il ou elle en a besoin.
8. Prendre toutes mesures raisonnables pour assurer qu'aucun test, devoir, ou matériau d'apprentissage ne soient manqués lors d'une absence. C'est **la responsabilité de l'élève** de venir voir l'instructeur pour acquérir les matériaux manqués et pour faire un rendez-vous pour écrire une évaluation manquée.

## Classroom policies

To succeed in this course, students must do the following,

1. Come to class **on time** with all required materials.
2. **Speak in French** with his/her classmates and his/her teacher at all times.
3. **Respect** himself/herself and respect others.
4. Always **do one's best** on individual assignments and on group assignments.
5. Complete all assignments on time.
6. **Participate** in all activities in an appropriate and constructive fashion.
7. Obtain help if it is needed.
8. Take all reasonable measures to ensure no assignments, information, or evaluations are missed due to an absence, whether excused or unexcused. It is **the student's responsibility** to come see the instructor, within a reasonable amount of time, to catch up with any material that may have been missed.

**Students are expected to bring the following to each block,**

- Sciences 10 Aide-mémoire, to be provided for students during the first week
- A 3-ring binder with paper
- At least one writing utensil
- A scientific calculator

## Evaluation and Marks (subject to change)

Students will be evaluated formatively and summatively during in-class assignments, individual and group discussions, and formal written assessments.

### Breakdown of summative assessment by unit

Chemistry...30%	Radioactivity...15%	Genetics...15%	Physics...15%	Astronomy...5%	Final Exam...20%
-quizzes...15%	-unit test...15%	-quizzes...5%	-quizzes...5%	-unit test...5%	
-unit test...15%		-unit test...10%	-unit test 10%		

## Letter Grade Descriptions

- A** = (86%-100%) The student demonstrates excellent or outstanding performance in relation to the learning outcomes for the course or subject and grade.
- B** = (73%-85%) The student demonstrates very good performance in relation to the learning outcomes for the course or subject and grade.
- C+** = (67%-72%) The student demonstrates good performance in relation to the learning outcomes for the course or subject and grade.
- C** = (60%-66%) The student demonstrates satisfactory performance in relation to the expected learning outcomes for the course or subject and grade.
- C-** = (50%-59%) The student demonstrates minimally acceptable performance in relation to the learning outcomes for the course or subject and grade.
- I** = (*In Progress or Incomplete*) The student, for a variety of reasons, is not demonstrating minimally acceptable performance in relation to the learning outcomes. An "I" letter grade may only be assigned in accordance with section 3 of the Provincial Letter Grades Order.
- F** = (0%-49% *Failed or Failing*) The student has not demonstrated or is not demonstrating the minimally acceptable performance in relation to the learning outcomes for the course or subject and grade. The letter grade "F" may only be assigned if an "I" (*In Progress*) letter grade has been previously assigned for that course or as a result of failing a provincially examinable course.
- W** = (*Withdrawal*) According to the policy of the board, and upon request of a parent of the student or, when appropriate, the student, the principal, vice principal, or director of instruction in charge of a school may grant permission to a student to withdraw from a course or subject.
- SG** = (*Standing Granted*) Although completion of normal requirements is not possible, a sufficient level of performance has been attained to warrant, consistent with the best interests of the student, the granting of standing for the course or subject and grade. *Standing Granted* may be used in cases of serious illness, hospitalization, late entry or early leaving, but may only be granted by an adjudication process authorized by the principal, vice principal or director of instruction in charge of the school. *Standing Granted* may not be used for Graduation Transitions or for a course with a required Graduation Program Examination.
- TS** = (*Transfer Standing*) May be granted by the principal, vice-principal, or director of instruction in charge of a school on the basis of an examination of records from an institution other than a school as defined in the School Act. Alternatively, the principal, vice principal or director of instruction in charge of the school may assign a letter grade on the basis of an examination of those records. *Transfer Standing* may not be used for Graduation Transitions.
- RM** = (*Requirement Met*) The student has met the learning outcomes for Graduation Transitions. *Requirement Met* may only be used for Graduation Transitions.

### Contact Information for Jeff O'Keefe

E-mail           jokeefe@sd22.bc.ca  
Telephone       (250)-542-3361

Students and parents are strongly encouraged to contact Jeff O'Keefe at any time to inquire as to one's progress being made in the course or to discuss any other pertinent matter.

### First Homework assignment

Show this document to your parents or guardians and have them e-mail me at [jokeefe@sd22.bc.ca](mailto:jokeefe@sd22.bc.ca) with the following information,

1. whose parent or guardian they are
2. any pertinent information regarding their child
3. any questions or concerns they might have
4. any additional or preferred contact information