

CURRICULUM ALIGNMENT – Radioactive Half-Life: The Whole Story

Québec

Year	Course Name	Topic	Concept/Competency
Sec I/II	Mathematics, Science and Technology	The Material World, General Concept: Organization	Compulsory Concept: Atom, Element, Molecule
Sec I/II	Mathematics, Science and Technology	Competencies	Competency 2: Makes the most of his/her knowledge of science and technology.
Sec I/II	Mathematics, Science and Technology	Competencies	Competency 3: Communicates in the languages used in science and technology.
Sec III	Science and Technology	The Material World, General Concept: Changes in Matter	Compulsory Concept: Forms of energy (chemical, thermal, mechanical, radiation)
Sec III	Science and Technology	Competencies	Competency 2: Makes the most of his/her knowledge of science and technology.
Sec III	Science and Technology	Competencies	Competency 3: Communicates in the languages used in science and technology.
Sec IV	Environmental Science and Technology	The Material World, General Concept: The Periodic Table	Compulsory Concepts: Families and periods, relative atomic mass, atomic number, periodicity of properties, isotopes
Sec IV	Environmental Science and Technology	The Material World, General Concept: Nuclear Transformations	Compulsory Concepts: Nuclear stability, radioactivity, fission and fusion
Sec IV	Environmental Science and Technology	Competencies	Competency 1: Seeks answers or solutions to scientific or technological problems.
Sec IV	Environmental Science and Technology	Competencies	Competency 2: Makes the most of his/her knowledge of science and technology.
Sec IV	Environmental Science and Technology	Competencies	Competency 3: Communicates in the languages used in science and technology.