

# CURRICULUM ALIGNMENT – Understanding Isotopes

## Québec

Year	Course Name	Topic	Concept/Competency
Sec I/II	Mathematics, Science and Technology	The Material World, General Concept: Organization	<b>Compulsory Concept:</b> Atom, Element, Molecule
Sec I/II	Mathematics, Science and Technology	Competencies	<b>Competency 2:</b> Makes the most of his/her knowledge of science and technology.
Sec I/II	Mathematics, Science and Technology	Competencies	<b>Competency 3:</b> Communicates in the languages used in science and technology.
Sec IV	Environmental Science and Technology	The Material World, General Concept: The Periodic Table	<b>Compulsory Concepts:</b> 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	<b>Compulsory Concepts:</b> Nuclear stability, radioactivity, fission and fusion
Sec IV	Environmental Science and Technology	Competencies	<b>Competency 1:</b> Seeks answers or solutions to scientific or technological problems.
Sec IV	Environmental Science and Technology	Competencies	<b>Competency 2:</b> Makes the most of his/her knowledge of science and technology.
Sec IV	Environmental Science and Technology	Competencies	<b>Competency 3:</b> Communicates in the languages used in science and technology.