

CURRICULUM ALIGNMENT – Fission vs. Fusion

Québec

Year	Course Name	Topic	Concept/Competency
Sec III	Science and Technology	The Material World, General Concept: Changes in Matter	Compulsory Concept: Forms of energy (chemical, thermal, mechanical, radiation)
Sec IV	Science and Technology	The Technological World, General Concept: Examples of Objects, Systems, Products and Processes	Compulsory Concept: Electricity: thermal power plant, hydraulic power plant, solar power plant
Sec III/IV	Science and Technology	Competencies	Competency 2: Makes the most of his/her knowledge of science and technology.
Sec III/IV	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.