

CURRICULUM ALIGNMENT – Keeping the Genie in the Bottle: Nuclear Non-Proliferation

Manitoba

Grade	Course Name and Number	Topic	Specific Outcome
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	Specific Learning Outcome S1-0-2d: Review effects of past decisions and various perspectives related to an STSE issue.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	Specific Learning Outcome S1-0-3e: Determine criteria for the evaluation of an STSE decision.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	Specific Learning Outcome S1-0-3f: Formulate and develop options which could lead to an STSE decision.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	Specific Learning Outcome S1-0-5d: Evaluate, using pre-determined criteria, different STSE options leading to a possible decision. Include: scientific merit; technological feasibility; social, cultural, economic, and political factors; safety; cost; sustainability.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	Specific Learning Outcome S1-0-8g: Discuss social and environmental effects of past scientific and technological endeavours. Include: major shifts in scientific world views, unintended consequences.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	Specific Learning Outcome S1-0-9c: Demonstrate confidence in their ability to carry out investigations in science and to address STSE issues.
11	Senior 3 Current Topics in the Sciences	GLOB: Science, Technology, Society and the Environment	Specific Learning Outcome SLO B2: Recognize that scientific and technological endeavours have been, and continue to be, influenced by human needs and by societal and historical contexts.
11	Senior 3 Current Topics in the Sciences	GLOC: Scientific and Technical Skills and Attitudes	Specific Learning Outcome SLO C4: Employ effective communication skills and use a variety of resources to gather and share scientific and technological ideas and data.
11	Senior 3 Current Topics in the Sciences	GLOC: Scientific and Technical Skills and Attitudes	Specific Learning Outcome SLO C5: Work cooperatively with others and value their ideas and contributions.
12	Interdisciplinary Topics in Science 40S	GLOA: Nature of Science and Technology	Specific Learning Outcome SLO A1: Identify and appreciate the manner in which history, circumstance, and culture shape the science of a society and its creation or use of technologies.

12	Interdisciplinary Topics in Science 40S	GLOC: Scientific and Technical Skills and Attitudes	Specific Learning Outcome SLO C21: Demonstrate confidence in their ability to carry out investigations and to address STSE-related issues.
12	Interdisciplinary Topics in Science 40S	GLOC: Scientific and Technical Skills and Attitudes	Specific Learning Outcome SLO C18: Collaborate with others to achieve group goals and responsibilities.