

# CURRICULUM ALIGNMENT – Understanding Isotopes

## Manitoba

Grade	Course Name and Number	Topic	Specific Outcome
9	Senior 1 Science	Cluster 2: Atoms and Elements	<b>Specific Learning Outcome S1-2-04:</b> Explain the atomic structure of an atom in terms of the number of protons, electrons and neutrons, and explain how those numbers define atomic number and atomic mass.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	<b>Specific Learning Outcome S1-0-3b:</b> Identify probable mathematical relationships between variables.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	<b>Specific Learning Outcome S1-0-9c:</b> Demonstrate confidence in their ability to carry out investigations in science and to address STSE issues.
9	Senior 1 Science	Cluster 0: Overall Skills and Attitudes	<b>Specific Learning Outcome S1-0-4e:</b> Work cooperatively with group members to carry out a plan and troubleshoot problems as they arise.