

CURRICULUM ALIGNMENT – Attack of the 50 Foot Mutant: Radiation in Popular Culture

Manitoba

Grade	Course Name and Number	Topic	Specific Outcome
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-0-3c: Identify social issues related to science and technology, taking into account human and environmental needs and ethical considerations.
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-0-4c: Demonstrate confidence in their ability to carry out investigations in science and to address STSE issues.
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-0-4e: Demonstrate a continuing and more informed interest in science and science-related issues.
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-4-2: Define radioactivity as a nuclear change that releases energy.
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-4-4: Describe the following types of radiation: alpha, beta and electromagnetic radiation.
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-4-5: Compare and contrast sources and characteristics of ionizing radiation and non-ionizing radiation.
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-4-8: Describe the effects of non-ionizing and ionizing radiation on the human body.
12	Senior 4 Physics	Topic 4.1: Medical Physics	Specific Learning Outcome S4P-0-2i: Select and integrate information obtained from a variety of sources.