CURRICULUM ALIGNMENT – Disease Detecting: Nuclear Diagnostics

Saskatchewan

Grade	Course Name and Number	Unit/Module	Specific Outcome
11	Health Science 20	Diagnostics and Treatment	**HS20-DT1** Evaluate the tools and procedures used to diagnose and monitor medical conditions.
12	Physics 30	Core Unit IV: Nuclear Physics A: Natural Radioactivity	**Learning Outcome 4:** Realize that radioactivity is found in both natural and artificial sources.
12	Physics 30	Core Unit IV: Nuclear Physics A: Natural Radioactivity	**Learning Outcome 10:** Compare the penetrating power, speed, potential danger and other important characteristics of alpha particles, beta particles and gamma rays.
12	Physics 30	Core Unit IV: Nuclear Physics A: Natural Radioactivity	**Learning Outcome 19:** Recognize that absorbed radiation has different effects on different kinds of tissue.
12	Physics 30	Core Unit IV: Nuclear Physics A: Natural Radioactivity	**Learning Outcome 21:** Understand that no exposure to radioactive emissions, for any period of time, should be regarded as being "safe" to humans or other living organisms.
12	Physics 30	Core Unit IV: Nuclear Physics A: Natural Radioactivity	**Common Essential Learning:** Use a wide range of possibilities for developing their knowledge of the major concepts within physics.
12	Physics 30	Optional Unit VIII: Atomic Physics D. Applications	**Learning Outcome 1:** Describe an application of nuclear energy (other than fusion reactors).
12	Physics 30	Optional Unit VIII: Atomic Physics D. Applications	**Learning Outcome 4:** Identify some of the main uses of the specific application of nuclear energy.