

# CURRICULUM ALIGNMENT – Food Irradiation: What’s the Scoop?

## Alberta

Grade	Course Name and Number	Unit	Outcome
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome 2:</b> Investigate and describe how a specific food handling or preparation process is designed to prevent microbial contamination of the final product.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome 5:</b> Assess the ongoing need for public health department guidelines and personal actions to maintain and improve upon the health of the community.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Identify questions to investigate that arise from practical problems and issues.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Evaluate and select appropriate instruments for problem solving, inquiry and decision making.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Compile and organize data, using appropriate formats and data treatments to facilitate interpretation.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Use library and electronic research tools to collect information on a given topic.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Select and integrate information from various print and electronic sources.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Compile and display evidence and information, by hand or computer, in a variety of formats, including diagrams, flow charts, tables, graphs and scatterplots.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Synthesize information from multiple sources or from complex and lengthy texts and make inferences based on this information.

11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Identify new questions or problems that arise from what was learned.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Identify and evaluate potential applications of findings.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Communicate questions, ideas and intentions; and receive, interpret, understand, support and respond to the ideas of others.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Identify multiple perspectives that influence a science-related decision or issue.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Develop, present and defend a position or course of action, based on findings.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Work cooperatively with team members to develop and carry out a plan and troubleshoot problems as they arise.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Show interest in science-related questions and issues, and confidently pursue personal interests and career possibilities within science-related fields.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Seek and apply evidence when evaluating alternative approaches to investigations, problems and issues.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Work collaboratively in carrying out investigations and in generating and evaluating ideas.
11	Science 24	Unit C: Disease Defence and Human Health (Social and Environmental Emphasis)	<b>Specific Outcome:</b> Demonstrate sensitivity and responsibility in pursuing a balance between the needs of humans and a sustainable environment.
11	Course FOD2150	Food Safety & Sanitation	<b>Module Learner Expectation:</b> Describe the relationships among foods, micro-organisms and food-borne illness.

11	Course FOD2150	Food Safety & Sanitation	<b>Outcome 1:</b> Describe the relationships among foods, micro-organisms and food-borne illnesses.
11	Course FOD2150	Food Safety & Sanitation	<b>Outcome 2:</b> Describe measures to prevent food contamination and to control the growth of micro-organisms in food.
11	Course FOD2150	Food Safety & Sanitation	<b>Outcome 3:</b> Describe the role of regulatory agencies and safety programs in maintaining a safe and sanitary environment.
12	Course FOD3110	Food Processing	<b>Outcome 1:</b> Describe factors affecting food safety and food spoilage in processed foods.
12	Course FOD3110	Food Processing	<b>Outcome 2:</b> Identify and describe various ways of processing and preserving food.
12	Course FOD3110	Food Processing	<b>Outcome 2.2:</b> Identify and evaluate technological innovations for processing or preserving foods in the marketplace, such as: <b>2.2.3</b> preserving methods; e.g., food irradiation.
12	Course FOD3110	Food Processing	<b>Outcome 3:</b> Identify the impact of technological developments on the nutritional value of foods and the food supply.
12	Course FOD3120	Food Evolution/Innovation	<b>Outcome 3:</b> Identify relationships among consumers, marketplace and technology as food evolves.