

CURRICULUM ALIGNMENT – How Green is Canada’s Electricity?

Nova Scotia

Grade	Course Name and Number	Topic	Specific Outcome
9	Science 9	Characteristics of Electricity (Electricity, Energy and the Environment)	Specific Curriculum Outcome 113-9, 113-13: Make informed decisions and propose a course of action on science, technology and social issues, including human and environmental needs for electricity and energy.
11	Electro-technologies 11	Module 2: Power Distribution and Conversion	Specific Curriculum Outcome: Demonstrate an understanding of the environmental impact of a range of power generation systems.
11	Energy, Power and Transportation Technology 11	Unit 4 - Nature and Sources of Energy	Specific Curriculum Outcome: Describe how energy originates and explain how it is converted into controlled forms used in residential, industrial, business and transportation situations.
11	Energy, Power and Transportation Technology 11	Unit 4 - Nature and Sources of Energy	Specific Curriculum Outcome: Identify the different forms of technology used to generate wind energy and describe the inherent potential and problems.
11	Energy, Power and Transportation Technology 11	Unit 4 - Nature and Sources of Energy	Specific Curriculum Outcome: Discuss the importance of hydroelectric energy and identify and describe one example in Nova Scotia.
11	Energy, Power and Transportation Technology 11	Unit 5 - Power Generation, Transfer, Control and Conservation	Specific Curriculum Outcome: Describe how Nova Scotians produce power from the three basic energy source groups.
12	Physics 12	Radioactivity: Fission and Fusion	Specific Curriculum Outcome 214-15, 215-4, 215-5: Identify, develop, present and defend a position or course of action based on identifying multiple perspectives that influence the issue, and on interpreting data and the relationship among variables.
12	Physics 12	Radioactivity: Fission and Fusion	Specific Curriculum Outcome 118-2, 118-4: Analyze and evaluate, from a variety of perspectives, using a variety of criteria, the risks and benefits to society and the environment of a particular application of scientific knowledge and technology.

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