

The Four Welland Canals EduKit: Curriculum Connections

The story of the Four Welland Canals connects to curriculum expectations across multiple subjects - social studies, history and geography and science and technology. Key curriculum connections to EduKit contents as well as the accompanying lessons and activities are outlined below.

Subject	Curriculum Strands
Social Studies (Grade 3)	People and Environments: Living and Working in Ontario St. Catharines has developed from a rural to an urban community, and relied on the interaction other communities and the environment to meet needs.
Social Studies (Grade 4)	People and Environments: Political and Physical Regions of Canada The Welland Canal provides an economic link between communities and regions within Ontario and across Canada. Chief natural resources from various physical regions, provinces, and territories of Canada are shipped through the St. Lawrence Seaway system.
Social Studies (Grade 5)	People and Environments: The Role of Government and Responsible Citizenship Canada's federal, provincial/territorial, and municipal governments played a role in the construction and management of the St. Lawrence Seaway, as well as in rights of groups and individuals who worked on the canals.
Social Studies (Grade 6)	Heritage and Identity: Communities in Canada: Past and Present <ul style="list-style-type: none"> • Characteristics of our local community and the groups who contributed to our local and national identity. • Examination of varied historical and contemporary experiences in our City throughout its history. • The Welland Canal and our connections to the global community. People and Environments: Canada's Interactions with the Global Community <ul style="list-style-type: none"> • The management of the St. Lawrence Seaway relies on economic, political, social, and physical links between the United States and Canada. • The development of St. Catharines and growth of its economy relied on trade with the United States and other areas of the world through the Welland Canal.
History (Grade 7)	History: Canada, 1800-1850: Conflict and Challenges <ul style="list-style-type: none"> • Challenges facing individuals and groups in Niagara, 1800-1850 (industrialization, transportation, wages and working conditions, discrimination). • Social and economic, political and legal changes in St.

	<p>Catharines during this period.</p> <ul style="list-style-type: none"> • The development of the early Welland Canal.
Geography (Grade 7)	<p>Geography: Physical Patterns in a Changing World</p> <ul style="list-style-type: none"> • The Welland Canal as a response to challenge/opportunity presented by the physical environment • Assessing physical landforms, including the Niagara Escarpment and describing their characteristics.
History (Grade 8)	<p>History: Creating Canada, 1850-1890</p> <ul style="list-style-type: none"> • The history of the Welland Canal as a local and national vehicle of economic and social development.
Geography (Grade 8)	<p>Geography: Global Inequalities: Economic Development and Quality of Life</p> <ul style="list-style-type: none"> • The ways in which the Welland Canal impacts our access to resources locally and around the world. • The Welland Canal as a factor in our economic development historically and in the present day.
Science and Technology (Grade 3)	<p>Understanding Structures and Mechanisms: Strong and Stable Structures</p> <ul style="list-style-type: none"> • The forms and functions of canal structures and ships that travel on the canal • Examples of strong and stable structures along the Welland Canal system (i.e. locks, bridges) • Ways in which canal structures are affected by man-made and natural forces. <p>Understanding Matter and Energy: Forces Causing Movement</p> <ul style="list-style-type: none"> • Forces of nature (water, wind) and their impact on ships and transportation along the canal. • Ways in which man-made devices along the Canal create controlled movement.
Science and Technology (Grade 4)	<p>Understanding Matter and Energy: Pulleys and Gears</p> <ul style="list-style-type: none"> • Pulleys and gears play an important role in the functioning of locks, bridges and ships.
Science and Technology (Grade 5)	<p>Understanding Structures and Mechanisms: Forces Acting on Structures and Mechanisms</p> <ul style="list-style-type: none"> • Forces that work on structures and mechanisms within the Welland Canal system and the effects these forces have on the Canal structures and ships on the Canal.
Science and Technology (Grade 7)	<p>Understanding Structures and Mechanisms: Form and Function</p> <ul style="list-style-type: none"> • The purpose of the structures along the Welland Canal and the relationship between the form of these structures and their function. • Design considerations (over the course of the four Welland Canals) and their relationship to available materials and

	function.
Science and Technology (Grade 8)	Understanding Structures and Mechanisms: Systems in Action <ul style="list-style-type: none">• The tasks the Welland Canal is designed to accomplish.• The ways in which each of the four canals have been designed throughout history to optimize human and natural resources of the canal.• Investigation of the overall system of the Welland Canal and the way in which it functions.