

Living Space

Curriculum Connections: Prince Edward Island

Gr.	Course	Area	Lesson	Outcomes
6	Science Grade 6 (n.d.)	Earth and Space Science (Space)	MINDS-ON 1	Space Exploration provide examples of Canadians who have contributed to the science and technology of space exploration (107-12)
			MINDS-ON 2	Space Exploration describe how astronauts are able to meet their basic needs in space (301-21)
			MINDS-ON 1, 2	Space Exploration identify examples of scientific questions and technological problems about space and space exploration that are currently being studied (105-1)
6	Mathematics Grade 6 (2015)	Statistics and Probability (SP)	ACTION 1, 2	SP1: Create, label and interpret line graphs to draw conclusions.
			ACTION 1, 2	SP2: Select, justify and use appropriate methods of collecting data, including: Experiments, databases
			ACTION 1, 2	SP3: Graph collected data and analyze the graph to solve problems.
6	Journey On Grade 6 (2007)	Spreadsheets	ACTION 1, 2	A6.4 use different types of graphs / charts (line, pie, bar) to visually represent data; label graph components (legend, title, x-y axis, colour, fill pattern)
		Database	ACTION 1, 2	A9.5 use databases to analyze data and look for trends
			ACTION 1, 2	B9.4 sort records alphabetically, numerically and by multiple fields
7	Grade 7 Science (Draft, 2016)	Heat	CONSOLIDATION	PS6 Create a prototype of a device that will provide a solution to a practical heating or cooling problem.
7	Mathematics Grade 7 (2009)	Working with Data	ACTION 1, 2	determine median and mode of a data set; measure of central tendency - mean, median, mode; range, outliers
7	Journey On Grade 7 (2005)	Spreadsheets	ACTION 1, 2	A6.4 use different types of graphs / charts (line, pie, bar) to visually represent data; label graph components (legend, title, x-y axis, colour, fill pattern)
		Database	ACTION 1, 2	A9.5 use databases to analyze data and look for trends
			ACTION 1, 2	B9.4 sort records alphabetically, numerically and by multiple fields

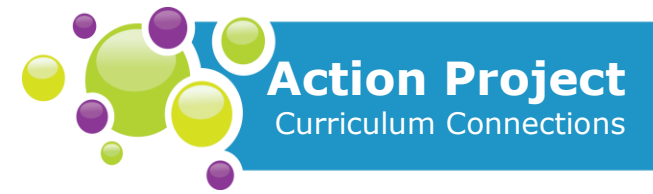
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8	Mathematics Grade 8 (2009)	Statistics and Probability	ACTION 1, 2	GCO: Collect, display and analyse data to solve problems. SP1 Critique ways in which data is presented. B Identify the advantages and disadvantages of different graphs, including circle graphs, line graphs, bar graphs, double bar graphs and pictographs, in representing a specific given set of data.
			ACTION 1, 2	8SP1 Critique ways in which data is presented. C Justify the choice of a graphical representation for a given situation and its corresponding data set.
8	Journey On Grade 8 (2006)	Spreadsheets	ACTION 1, 2	A6.4 use different types of graphs / charts (line, pie, bar) to visually represent data; label graph components (legend, title, x-y axis, colour, fill pattern)
		Database	ACTION 1, 2	A9.5 use databases to analyze data and look for trends
			ACTION 1, 2	B9.4 sort records alphabetically, numerically and by multiple fields
9	Grade 9 Science (2018)		MINDS-ON 2	CK 1 Analyze the relationship between sustainability of life, biodiversity, population size, and cycling of energy and matter.
			MINDS-ON 2	PK 1 Construct meaning from science-based informational text.
			ACTION 2	PK 3 Design an investigation to examine a relationship between variables.
			ACTION 2	DP 2 Defend decisions or judgments regarding scientific or technological issues, with consideration of multiple perspectives.
			CONSOLIDATION	PK 2 Compose written reports and arguments to effectively communicate scientific thinking.
			CONSOLIDATION	CK 1 Analyze the relationship between sustainability of life, biodiversity, population size, and cycling of energy and matter.
9	Journey On Grade 9 (2007)	Spreadsheets	ACTION 1, 2	A6.4 use different types of graphs / charts (line, pie, bar) to visually represent data; label graph components (legend, title, x-y axis, colour, fill pattern)
		Database	ACTION 1, 2	A9.5 use databases to analyze data and look for trends
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9	Mathematics Grade 9 (2010)	Statistics and Probability	ACTION 1, 2	<p>SP3 Develop and implement a project plan for the collection, display and analysis of data by:</p> <ul style="list-style-type: none"> - formulating a question for investigation - choosing a data collection method that includes social consideration - selecting a population or a sample - collecting the data - displaying the collected data in an appropriate manner
			CONSOLIDATION	<p>SP3 Develop and implement a project plan for the collection, display and analysis of data by:</p> <ul style="list-style-type: none"> - drawing conclusions to answer the question.
10, 11, 12	Introductory Computer Studies CMP521A (2009)	design, develop, evaluate, and articulate technological solutions	MINDS-ON 1, 2, 3	PR5: plan a solution using an algorithm, pseudocode, flowcharts and/or storyboard
			MINDS-ON 1, 2, 3	PR6: develop a program using keywords, commands, statements, operators, subroutines and functions
			MINDS-ON 1, 2, 3	PR9: run, debug, document, and execute a program solution
			MINDS-ON 3	PR7: use constants, variables and operands
			ACTION 1, 2	DB6: enter, modify and use data in a database
			CONSOLIDATION	PR5.5 Select an artifact for a personal learning portfolio that demonstrates planning and organizational skills. Describe why a particular item was included.
			CONSOLIDATION	PR7: use constants, variables and operands
			CONSOLIDATION	PR9: run, debug, document, and execute a program solution
10, 11, 12	Journey On Science 10-12 (2006)	Spreadsheets	ACTION 1, 2	A6.4 use different types of graphs / charts (line, pie, bar) to visually represent data; label graph components (legend, title, x-y axis, colour, fill pattern)
		Database	ACTION 1, 2	A9.5 use databases to analyze data and look for trends
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