

Winter Birds Curricular Connections - Grade 7

Subject Area	Curriculum Connections	Notes
Mathematics	<p>D1.1 explain why percentages are used to represent the distribution of a variable for a population or sample in large sets of data, and provide examples</p> <p>D1.2 collect qualitative data and discrete and continuous quantitative data to answer questions of interest, and organize the sets of data as appropriate, including using percentages</p> <p>D1.3 select from among a variety of graphs, including circle graphs, the type of graph best suited to represent various sets of data; display the data in the graphs with proper sources, titles, and labels, and appropriate scales; and justify their choice of graphs</p> <p>D1.4 create an infographic about a data set, representing the data in appropriate ways, including in tables and circle graphs, and incorporating any other relevant information that helps to tell a story about the data</p> <p>D1.5 determine the impact of adding or removing data from a data set on a measure of central tendency, and describe how these changes alter the shape and distribution of the data</p> <p>D1.6 analyse different sets of data presented in various ways, including in circle graphs and in misleading graphs, by asking and answering questions about the data, challenging preconceived notions, and drawing conclusions, then make convincing arguments and informed decisions</p>	<p>For the winter bird count, students will be submitting data regarding how many birds of different species were seen, how long they were searching for birds, and where they saw the birds. Lots of data analysis and graphing possibilities.</p>
Language	Reading	

	<ul style="list-style-type: none"> - read and demonstrate an understanding of a variety of literary, graphic, and informational texts, using a range of strategies to construct meaning; 	
<p>Science</p>	<p>1.2 analyse the costs and benefits of selected strategies for protecting the environment</p> <p>3.1 demonstrate an understanding of an ecosystem (e.g., a log, a pond, a forest) as a system of interactions between living organisms and their environment</p> <p>3.2 identify biotic and abiotic elements in an ecosystem, and describe the interactions between them</p> <p>3.3 describe the roles and interactions of producers, consumers, and decomposers within an ecosystem</p> <p>3.4 describe the transfer of energy in a food chain and explain the effects of the elimination of any part of the chain</p> <p>3.5 describe how matter is cycled within the environment and explain how it promotes sustainability</p> <p>3.7 explain why an ecosystem is limited in the number of living things that it can support</p> <p>3.8 describe ways in which human activities and technologies alter balances and interactions in the environment</p> <p>3.9 describe Aboriginal perspectives on sustainability and describe ways in which they can be used in habitat and wildlife management</p>	