

BC Curriculum Connections (Grades 4-7) with the Activities in Backyard Biodiversity and Beyond compiled by WILD BC (www.wildbc.org)

This appendix will help you connect the British Columbia Grade 4-7 curriculum with the *Backyard Biodiversity and Beyond* learning resource.

The following pages show tables for each grade level. They show the major links with the main activities listed in the resource text. Of course, you may be able to see the learning outcomes gaps and add your own activities to link with the resource. There are many links that are the result of an activity rather than the main focus, and these have not been included.

Backyard Biodiversity is organized into five main modules and an Action Module 6. This last module fulfills many of the Personal Planning or Social Studies-Applications outcomes. Each activity in a module is numbered according to the page it can be found in the resource. For example “Be a Biodiversity Detective” is numbered 2-5 because it is in Module 2 and starts on page 5.

Please let us know if you find errors or other connections we have not already documented.

GRADE 4

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Science					
Applications of Science		2-8; 2-10; 2-12	3-14		5-8
Life Science					
Adaptation of Organisms	1-6; 1-8; 1-10	All	All	4-5; 4-7	5-4; 5-8; 5-9; 5-12; 5-15
Life Science					
Body systems: Digestive, Skeletal, Muscular					
Relate the life processes of an organism to its use of nutrients, water and oxygen	1-8	2-8			
Describe the changing requirements of organisms as they grow		2-8			
Relate dietary habits and behaviour to an organism's health	1-8	2-5; 2-8			
Earth and Space Science					
Water					
Outline the importance of water for life		2-8			
Compare and contrast fresh water and salt water environments		2-5	3-6	4-12	
Describe human impacts on the earth's water resources	1-4			4-7; 4-12	5-12
Social Studies					
Applications of Social Studies	1-4; 1-6; 8	1-2-5	3-8; 3-10; 3-14	4-5; 4-7; 4-10; 4-15	5-4; 5-6; 5-9; 5-12; 5-15
Society and Culture					
Describe how different cultures meet people's basic needs in different ways					5-4; 5-9; 5-12; 5-15
Demonstrate a basic understanding of chronology	1-4; 1-8				
Demonstrate an awareness and appreciation of different Aboriginal cultures in Canada	1-6			4-10	
Economy and Technology					
Compare bartering to a monetary system of exchange					5-12
Demonstrate an understanding of various factors that initiated early European exploration of North America			3-8		

GRADE 4 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Describe traditional technology used by Aboriginal people in Canada; describe technology used in exploration				4-10	
Identify economic and technological exchanges between explorers and Aboriginal people				4-10	
Evaluate the influence of mass media on stereotypes	1-8				
Environment	1-4; 1-6		3-8; 3-10; 3-14	4-5; 4-7; 4-10; 4-12	
Mathematics					
Patterns and Relations (Patterns)					
Identify and explain mathematical relationships and patterns through the use of grids, tables, charts or calculators		2-10; 2-12	3-8		
Make and justify predictions, using numerical and non-numerical patterns			3-8		
Statistics and Probability (Data Analysis)		2-5; 2-8; 2-10; 2-12	3-8		
Statistics and Probability (Chance and Uncertainty)		2-5; 2-8; 2-10; 2-12			
Information Technology					
Foundations		2-4; 2-5; 2-8		4-5; 4-7; 4-12	5-12
Process		2-4; 2-5; 2-8; 2-10		4-5; 4-7; 4-12	5-12
Presentation		2-4; 2-5		4-5; 4-7; 4-12; 4-15	5-12
Language Arts	All	All	All	All	All
Personal Planning					
Making Plans/Decisions					
Select and use effective problem-solving strategies		2-4; 2-5; 2-8; 2-10		4-12	5-12
Point out the possible impact of their decisions on themselves, on others and on the environment		2-4; 2-5; 2-8			
Apply a systematic decision-making process		2-5; 2-8			
Set short-term goals		2-5; 2-8			
Explain the concepts of time management and planning		2-5; 2-8			
Implementing and Monitoring					

GRADE 4 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Take the steps needed to carry out their plans related to their short-term goals		2-5; 2-8; 2-10			
Safety and Injury Prevention		2-5; 2-8; 2-10			
Career Exploration					
Identify a variety of job and volunteer situations in the community, including paid and unpaid work				4-5; 4-7; 4-15	
Physical Education					
Active Living					
Identify and describe positive benefits gained from physical activity in a natural setting		2-5; 2-8; 2-10			
Fine Arts					
Drama					
Exploration					5-12
Drama Skills	1-4		3-14		5-12
Music					
Structure (Elements of Rhythm)				4-10	
Context (Historical and Cultural)				4-10	
Visual Arts	1-4; 1-10	2-4; 2-5; 2-8; 2-10; 2-12	3-10; 3-14	4-5; 4-7; 4-12	5-6; 5-8

GRADE 5

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Science					
Applications of Science		2-5; 2-8; 2-10; 2-12	3-6; 3-8; 3-14		5-8
Life Science					
Yukon's Living Resources	1-4; 1-6	2-4; 2-5; 2-8	3-8; 3-10; 3-12; 3-14	4-7; 4-12	5-6; 5-8; 5-9; 5-12; 5-15
Life Science					
Body systems: Respiratory, Circulatory, Sensory					
Describe the basic structure and function of the organs in the respiratory and circulatory systems		2-8			
Identify the basic structure and function of the organs in the sensory system		2-8			
Earth and Space Science					
Atmosphere and Weather			3-6	4-12	5-4
Yukon's Non-Living Resources	1-4			4-12	5-12
Social Studies					
Applications of social studies	1-4; 1-6; 1-8		3-8; 3-10; 3-14	4-7; 4-12; 4-15	
Society and Culture					
Demonstrate an understanding of Canadian culture				4-10	
Explain ways people preserve and transmit culture	1-6; 1-10			4-10	
Economy and Technology					
Analyse the relationship between the development of communities and their available natural resources	1-6		3-8; 3-10	4-12	5-12; 5-15
Explain how supply and demand are affected by population and the availability of resources			3-8		5-12; 5-15
Analyse the impact of modern technology on lifestyle and work	1-4				
Environment					
Locate and describe major physical features of Canada using topographical and thematic maps				4-5	5-8

GRADE 5 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Describe the diverse distribution of natural resources in Canada			3-10	4-5	5-12
Demonstrate an understanding of the concepts of sustainability, stewardship, and renewable versus non-renewable resources	1-4		3-8; 3-10; 3-14	4-7; 4-12	5-4; 5-6; 5-8; 5-12; 5-15
Assess the effects of lifestyles and industries on local and global environments	1-4	2-8	3-10; 3-14	4-7; 4-12	5-4; 5-6; 5-8; 5-12; 5-15
Mathematics					
Patterns and Relations (Patterns)		2-5; 2-8; 2-10; 2-12	2-3-8		
Statistics and Probability (Data Analysis)		2-5; 2-8; 2-10; 2-12	2-3-8		
Statistics and Probability (Chance and Uncertainty)		2-5; 2-8; 2-10; 2-12			
Information and Technology Foundations					
Manipulate electronic documents using a variety of tools		2-4; 2-8		4-5; 4-7; 4-12	4-5-12
Access online resources using telecommunication tools				4-5; 4-7; 4-12	4-5-12
Demonstrate a willingness to be self-reliant when using information technology tools				4-7; 4-12	5-12
Demonstrate a concern for the socially responsible use of information				4-7; 4-12	5-12
Process					
Collect and record information electronically using primary and secondary sources of information		2-4; 2-8		4-5; 4-7; 4-12	4-5-12
Demonstrate an understanding of how and why information is organized		2-4		4-5; 4-7; 4-12	4-5-12
Draw conclusions from information retrieved from electronic and other sources		2-4; 2-8		4-5; 4-7; 4-12	4-5-12
Evaluate information retrieved from electronic sources		2-4; 2-8		4-5; 4-7; 4-12	4-5-12
Language Arts	All	2-4; 2-5; 2-8	All	All	All

GRADE 5 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Personal Planning					
Making Plans and Decisions					
Differentiate between problems they can solve themselves and those that they can solve only with assistance from others		2-5		4-15	5-12
Demonstrate an appreciation of the impact of decisions that they have made					5-12
Mental Well-being					
Demonstrate a commitment to participation in the development of a healthy school and community				4-15	
Safety and Injury Prevention					
Identify internal and external signals of danger in familiar situations		2-5; 2-8; 2-10			
Career Awareness					
Identify a career role model, and describe the personal characteristics, interests, abilities, and lifestyle of that person				4-7	
Career Exploration					
Describe and explain how family, peers, community, and mentors contribute to personal development				4-15	
Physical Education					
Active Living					
Identify and describe positive benefits gained from physical activity in a natural setting		2-5			
Movement (Alternative-Environment Activities)					
Participate safely in activities in a natural or alternative setting	1-6; 1-10	2-5; 2-10	3-14		5-8
Fine Arts					
Drama					
Exploration			3-14		
Drama Skills	1-4; 1-6		3-14		5-12
Music					
Structure (Elements of Rhythm)				4-10	
Visual Arts	1-10	2-4; 2-5; 2-8	3-10; 3-14	4-5; 4-7; 4-12	5-6; 5-8

GRADE 6

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Science					
Applications of Science		2-5; 2-8; 2-10; 2-12	3-14		
Life Science					
Classification of Organisms		2-4; 2-5; 2-8; 2-10; 2-12	3-6	4-5	
Social Studies					
Applications of social studies	1-4; 1-6		3-6; 3-8; 3-10; 3-12	4-5; 4-7; 4-12; 4-15	All
Society and Culture					
Describe ways social and economic organizations satisfy needs and wants in a variety of cultures	1-4			4-7; 4-10	5-6; 5-12; 5-15
Assess the relationship between cultures and their environments	1-4			4-7; 4-10; 4-15	5-4; 5-6; 5-9; 5-12; 5-15
Describe daily life, work, family structures, and gender roles in Canada and the world	1-4			4-15	
Analyse how a society's artistic expression reflects its culture	1-6				
Demonstrate an appreciation of the contributions of a variety of world cultures	1-6				
Politics and Law					
Demonstrate an appreciation of individual right and social responsibility in various cultures				4-15	
Demonstrate an understanding of the concept of global citizenship				4-15	5-4; 5-6; 5-9; 5-15
Economy and Technology					
Assess effects of urbanization and modern technology on lifestyles and environments	1-4				5-6; 5-9; 5-12; 5-15
Evaluate mass media stereotypes of cultural groups or geographic regions	1-6				
Environment					
Locate and describe major geographic features and select nation states of the world					5-4
Assess settlement patterns and population distribution in selected countries					5-12

GRADE 6 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Relate population growth and settlement patterns to resource consumption and depletion in selected countries					5-6
Compare use of resources and conservation practices in Canada and other countries				4-7; 4-12	5-6; 5-8; 5-9; 5-12; 5-15
Mathematics					
Patterns and Relations (Patterns)		2-8; 2-12	3-8		
Statistics and Probability (Data Analysis)		2-5; 2-8; 2-10; 2-12	3-8		
Statistics and Probability (Chance and Uncertainty)					
Demonstrate that different outcomes may occur when the same experiment is repeated		2-10; 2-12			
Compare experimental results with theoretical results		2-10; 2-12			
Information Technology					
Foundations					
Work cooperatively using information technology tools		2-4		4-5; 4-7; 4-12	4-12
Access information using a variety of online tools		2-4		4-5; 4-7; 4-12	4-12; 5-12
Practice the socially responsible use of electronic information				4-7; 4-12	5-12
Process					
Gather information from available resources to solve problems using information technology tools		2-4; 2-8; 2-10		4-5; 4-7; 4-12	4-12; 5-12
Use a variety of information technology tools to create, modify, explore, and present electronic documents that express ideas or concepts				4-5; 4-7; 4-12	4-12; 5-12
Select and apply information technology tools for specific tasks		2-8; 2-8		4-5; 4-7; 4-12	4-12; 5-12
Use a variety of methods to transfer information using electronic tools		2-12		4-7; 4-12	5-12
Demonstrate an awareness that all information is biased	1-4			4-7	

GRADE 6 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Language Arts	All	All	All	All	All
Personal Planning					
Making Plans and Decisions					
Predict possible problems associated with particular situations or courses of action				4-12; 4-15	
Mental Well-being					
Describe their individually and cultural identity within a social group		2-12			
Career Exploration					
Use home, school and community resources to meet their goals				4-5; 4-7; 4-15	
Physical Education					
Active Living					
Identify factors to consider when planning outdoor activities and the impact of physical activities on the environment	1-6; 1-10	2-5; 2-8; 2-10			
Movement (Alternative-Environment Activities)					
Participate safely in activities in a natural setting or alternative setting	1-6; 1-10	2-5; 2-8; 2-10	3-14		5-8; 5-9
Fine Arts					
Drama					
Exploration			3-14		
Drama Skills	1-4		3-14		
	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Music					
Structure (Elements of Rhythm)				4-10	
Visual Arts	1-4; 1-10	2-4; 2-5; 2-8	3-10; 3-14	4-5; 4-7; 4-12	5-6; 5-8

GRADE 7

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Science					
Applications of Science		2-4; 2-5; 2-8; 2-10; 2-12	3-8; 3-4		5-8; 5-12; 5-15
Life Science					
Ecology					
Describe all organisms in terms of their roles as part of interconnected food webs	1-6; 1-8	2-4; 2-5; 2-8	3-6; 3-12; 3-14	4-5; 4-7; 4-10; 4-12	5-8; 5-15
Describe ways in which species interact with each other	1-6; 1-8	2-4; 2-8	3-6; 3-8; 3-14	4-5; 4-7; 4-10	5-8; 5-15
Compare and contrast the major biogeoclimatic zones of Yukon			3-6; 3-10	4-12	5-8; 5-15
Determine the limiting factors for local ecosystems		2-8	3-8; 3-14	4-12	5-15
Outline the stages of recovery for damaged local ecosystems			3-8; 3-14	4-7	
Human systems: reproduction					
Compare and contrast asexual and sexual reproduction in both plants and animals	1-8		3-14		
Describe the growth and changes in the development of an organism	1-8		3-14		
Outline factors that influence the length and quality of life	1-8	2-12	3-14		5-15
Physical Science					
Environmental chemistry					
Assess the impact of chemical pollution on a local environment		2-5; 2-8			
Collect, analyse and interpret data on environmental quality		2-8			
Earth & Space Sciences					
Earth's crust					
Compare and contrast the geological features found on the ocean floor with those on the surface of the continents			3-5		
Social Studies					
Applications of social studies	1-4; 1-8		3-8; 3-12	4-7; 4-12; 4-15	All

GRADE 7 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Mathematics					
Patterns and relations (Variables and Equations)					
Analyse relations graphically to discover how changes in one quantity may affect others		2-10; 2-12			
Graph relations, analyse results, and draw conclusions		2-10; 2-12			
Statistics and Probability (Data Analysis)		2-8; 2-10; 2-12	2-3-8		
Information Technology					
Foundations					
Enter, save, modify, and retrieve information using a variety of software		2-4; 2-8; 2-10		4-5; 4-7; 4-12	5-12
Use appropriate keyboard techniques to enter information into a computer	1-4	2-4; 2-8; 2-10			
Practice behaviours that demonstrate self-reliance when using information technology tools		2-4; 2-8		4-5; 4-7; 4-12	5-12
Process		2-4; 2-8; 2-10		4-5; 4-7; 4-12	5-12
Presentation	1-4	2-4		4-5; 4-7; 4-12	5-12
Language Arts	All	All	All	All	All
Personal Planning					
Making Plans and Decisions					
Predict or suggest possible problems associated with particular situations or courses of action					
Practice cooperative decision making		2-5; 2-8; 2-10		4-15	5-12
Display responsible decision making in relationships		2-5; 2-8; 2-10			5-12
Demonstrate commitment to set short and long term goals related to their education, career and personal plans					5-12
Use one or more time management strategies to achieve their short term goals		2-5; 2-8			

GRADE 7 (continued)

	Module 1 Biodiversity The Spice of Life	Module 2 Connections The Basics of Biodiversity	Module 3 Biodiversity in Yukon	Module 4 Endangered Species Endangered Spaces	Module 5 Biodiversity Think Globally!
Mental Well-being					
Refine their strategies for sharing and expressing their feelings and emotions					5-6
Career Awareness					
Identify the talents and abilities of positive role models in a variety of occupations and career clusters				4-7; 4-15	
Physical Education					
Active Living					
Identify factors to consider when planning outdoor activities and the impact of physical activities on the environment	1-4	2-5; 2-8	3-14		
Movement (Alternative Environment Activities)					
Participate safely in an outdoor experience	1-6; 1-10	2-5; 2-8; 2-10	3-14		5-8; 5-9
Fine Arts					
Drama					
Exploration			3-14		
Drama Skills	1-4; 1-6		3-14		
Context					
Demonstrate an understanding of how social values are communicated in dramatic presentations					5-12
Music					
Structure (Elements of Rhythm)				4-10	
Visual Arts	1-4; 1-10	2-4; 2-5; 2-8	3-10; 3-14	4-5; 4-7; 4-12	5-6; 5-8