

## Curriculum Links

### Focus on Forests and meeting the new 2009 Ontario Curriculum

The following pages include tables that outline how Focus on Forest Lesson Plans meet the new 2009 Ontario Curriculum. These tables are segregated into Elementary and Secondary levels.

#### ***Focus on Forests Lesson Plans***

Each lesson plan that has been developed for Focus on Forests has been assigned to a learning level (Primary, Junior, Intermediate and Senior). These divisions have been assigned according to the difficulty and appropriateness of the lesson plan. Some lesson plans can be adapted to various grade levels by simplifying or extending the activities or objectives.

#### ***How to use these tables:***

##### *Elementary-*

The elementary tables are organized by grade. Each strand is listed at the top of the table (Understanding Life Systems, Understanding Structures and Mechanisms, Understanding Matter and Energy, and Understanding Earth and Space Systems). Within each grade level, the associated topics are listed. To help meet the goals and objectives of the new 2009 Ontario Curriculum, Focus on Forest Lesson Plans have been highlighted.

##### *Secondary-*

The secondary tables are organized by grade and subject matter. On the left hand sides of the tables are listed the courses and corresponding grades. The tables that highlight grade 11 and 12 courses are organized in a different manner. The Focus on Forest Lesson Plans are on the top of the table, while the courses are listed on the left hand side. If a Lesson Plan fits in with a particular course or the associated topics in the course, then it is marked.

Curriculum Links were updated August 2010

## Elementary Level (Grades 1-8)

Grades 1-8	Understanding Life Systems	Understanding Structures and Mechanisms	Understanding Matter and Energy	Understanding Earth and Space Systems
Grade 1	<b>Needs and Characteristics of Living Things</b>	<b>Materials, Objects, and Everyday Structures</b>	<b>Energy in Our Lives</b>	<b>Daily and Seasonal Changes</b>
	<p><i>Let's Look at Trees</i>  <i>Forest Soils</i>  <i>Construct a Tree</i>  <i>Not All Plants are Created Equal</i>  <i>Energize a Tree</i>  <i>Dendro Discs</i></p>	<p><i>Weird Wood Products</i></p>	<p><i>The Wonderful World of Seeds</i></p>	<p><i>Autumn Adventures</i>  <i>Hidden Colours of Leaves</i>  <i>Winter: Choices to Make</i></p> <p><i>From Buds to Leaves</i>  <i>Maple Sugar Bush Activities</i>  <i>Sweet Deal</i></p>
Grade 2	<b>Growth and Changes in Animals</b>	<b>Movement</b>	<b>Properties of Liquids and Solids</b>	<b>Air and Water in the Environment</b>
	<p><i>Invent a Forest Creature</i></p> <p><i>Exploring Ecosystems</i>  <i>Stumped</i>  <i>Forest Connections</i></p>	<p><i>N/A</i></p>	<p><i>N/A</i></p>	<p><i>The Wonderful World of Seeds</i>  <i>Trees Need Us, We Need Trees</i>  <i>Dendro Discs</i></p>
Grade 3	<b>Growth and Changes in Plants</b>	<b>Strong and Stable Structures</b>	<b>Forces Causing Movement</b>	<b>Soils in the Environment</b>
	<p><i>Seed Secrets</i>  <i>Seed Sort</i>  <i>Trees Need Us, We Need Trees</i>  <i>Exploring Ecosystems</i>  <i>Curious About Cones</i>  <i>Not All Plants are Created Equal</i>  <i>Sweet Deal</i>  <i>Dendro Discs</i>  <i>Let's Look at Trees</i>  <i>Autumn Adventures</i>  <i>Construct a Tree</i>  <i>The Eco-Buddy System</i>  <i>From Buds to Leaves</i>  <i>Energize a Tree</i>  <i>The Wonderful World of Seeds</i></p>	<p><i>Weird Wood Products</i></p>	<p><i>N/A</i></p>	<p><i>Forest Soils</i>  <i>Energize a Tree</i></p>

<b>Grade 4</b>	<b>Habitats and Communities</b>	<b>Pulleys and Gears</b>	<b>Light and Sound</b>	<b>Rocks and Minerals</b>
	<i>Trees Need Us, We Need Trees Stumped Branch Management Mini-Forest in the Schoolyard Shelter Me Dendro Discs The Forest Sponge Forest Connections Forest Soils</i>	<i>N/A</i>	<i>The Urban Jungle</i>	<i>N/A</i>
<b>Grade 5</b>	<b>Human Organ Systems</b>	<b>Forces Acting on Structures and Mechanisms</b>	<b>Properties of and Changes in Matter</b>	<b>Conservation of Energy and Resources</b>
	<i>The Heat is On!</i>	<i>Dendro Discs The Forest Sponge</i>	<i>Weird Wood Products</i>	<i>The Heat is On!</i>
<b>Grade 6</b>	<b>Biodiversity</b>	<b>Flight</b>	<b>Electricity and Electrical Devices</b>	<b>Space</b>
	<i>Stumped Trees at Home Shelter Me Exploring Ecosystems Seed Sort Weird Wood Products Not All Plants are Created Equal Curious About Cones Let's Look At Trees Branch Management The Forest Sponge Forest Connections</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
<b>Grade 7</b>	<b>Interactions in the Environment</b>	<b>Form and Function</b>	<b>Pure Substances and Mixtures</b>	<b>Heat in the Environment</b>
	<i>Trees at Home Stumped Hot Stuff! Nature's Throwaways Predicting the Impacts of Change Change in Forest Ecosystems The Forest Sponge Tree Waterworks The Urban Jungle Forest Connections Exploring Ecosystems</i>	<i>N/A</i>	<i>N/A</i>	<i>The Heat is On! Change in Forest Ecosystems Tree Waterworks</i>
<b>Grade 8</b>	<b>Cells</b>	<b>Systems in Action</b>	<b>Fluids</b>	<b>Water Systems</b>
	<i>N/A</i>	<i>Tree Waterworks Energize a Tree</i>	<i>Tree Waterworks</i>	<i>Tree Waterworks Nature's Drinking Straws</i>

## Secondary Level (Grades 9-12)

### Grades 9-10 Science

<b>Grades 9 and 10</b>	<b>Biology</b>	<b>Physics</b>	<b>Chemistry</b>	<b>Earth and Space Science</b>	<b>Scientific Investigation Skills and Career Exploration</b>
<b>Grade 9-Academic</b> <b>SNC1D</b>	<b>Sustainable Ecosystems</b>	<b>The Characteristics of Electricity</b>	<b>Atoms, Elements, and Compounds</b>	<b>The Study of the Universe</b>	
	<i>Paths to the Forest Forest Connections Invent a Forest Creature Have I Got a Deal For You! The Eco-Buddy System The Choice is Ours Trees at Home A Fine Balance Exploring Ecosystems</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>Forest Folks A Fine Balance</i>
<b>Grade 9-Applied</b> <b>SNC1P</b>	<b>Sustainable Ecosystems and Human Activity</b>	<b>Electrical Applications</b>	<b>Exploring Matter</b>	<b>Space Exploration</b>	
	<i>Paths to the Forest Forest Connections Have I Got a Deal For You! The Eco-Buddy System Exploring Ecosystems Invent a Forest Creature The Choice is Ours Trees at Home A Fine Balance</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>Forest Folks A Fine Balance</i>
<b>Grade 10-Academic</b> <b>SNC2D</b>	<b>Tissues, Organs and Systems of Living Things</b>	<b>Light and Geometric Optics</b>	<b>Chemical Reactions</b>	<b>Climate Change</b>	
	<i>Tree Waterworks Turning Over a New Leaf</i>	<i>N/A</i>	<i>N/A</i>	<i>Tree Waterworks The Heat is On! Trees at Home</i>	<i>Forest Folks A Fine Balance</i>
<b>Grade 10-Applied</b> <b>SNC2P</b>	<b>Human Tissues, Organs and Systems</b>	<b>Light and Applications of Optics</b>	<b>Chemical Reactions and Their Practical Applications</b>	<b>Earth's Dynamic Climate</b>	
	<i>Turning Over a New Leaf Tree Waterworks</i>	<i>N/A</i>	<i>N/A</i>	<i>The Heat is On! Tree Waterworks</i>	<i>Forest Folks A Fine Balance</i>

## Grades 9 & 11 Geography

<b>Grades 9-11 Geography</b>	<b>Geographic Foundations: Space and Systems</b>	<b>Human-Environment Interactions</b>	<b>Global Connections</b>	<b>Understanding and Managing Change</b>	<b>Methods of Geographic Inquiry and Communi- cation</b>
<b>Grade 9 Geography</b>					
<b>Academic CGC1D</b>	<i>Trees at Home</i>	<i>The Choice is Ours The Importance of Forests  Branch Management</i>	N/A	<i>Forest Folks Change in Forest Ecosystems Predicting the Im- pacts of Change The Heat is On! Paths to the Forest</i>	<i>Branch Management  Forest Folks  Trees at Home</i>
<b>Grade 9 Geography Applied CGC1P</b>	<i>Trees at Home A Fine Balance</i>	<i>A Fine Balance Branch Management Paths to the Forest</i>	N/A	<i>A Fine Balance Branch Management</i>	<i>Trees at Home A Fine Balance Forest Folks</i>
<b>Grade 11 Geography</b>					
<b>The Ameri- cas: Geo- graphic Pat- terns and Issues CGD3M</b>	<i>Trees at Home</i>	<i>Change in Forest Ecosystems</i>			<i>Forest Folks</i>
<b>Physical Geography: Patterns, Processes CGF3M</b>	<i>Exploring Ecosystems</i>	<i>Predicting the Im- pacts of Change The Choice is Ours</i>		<i>Forest Folks</i>	

**Grade 11 Science and Environmental Science (College)**

<b>Grade 11- College</b>	<b>Turning Over a New Leaf</b>	<b>Forest Folks</b>	<b>Paths to the Forest</b>	<b>The Heat is On!</b>	<b>Branch Man- agement</b>
<b>Biology</b>					
<i>Cellular Biology</i>					
<i>Microbiology</i>					
<i>Genetics</i>	X				
<i>Anatomy of Mammals</i>					
<i>Plants in the Natural Envi- ronment</i>			X		X
<b>Environmental Science- Workplace</b>					
<i>Human Impact on the Envi- ronment</i>			X		X
<i>Human Health and the Envi- ronment</i>				X	
<i>Energy Conservation</i>					
<i>Natural Resource Science and Management</i>		X	X		X
<i>The Safe and Environmen- tally Responsible Workplace</i>					

**Grade 11 Science and Environmental Science (University)**

<b>Grade 11- College</b>	<b>Turning Over a New Leaf</b>	<b>Forest Folks</b>	<b>Paths to the Forest</b>	<b>The Heat is On!</b>	<b>Branch Man- agement</b>
<b>Biology</b>					
<i>Conservation of Energy</i>					
<i>Diversity of Living Things</i>			X	X	X
<i>Evolution</i>	X				
<i>Genetic Processes</i>	X				
<i>Animals: Structure and Function</i>					
<i>Plants: Anatomy, Growth and Function</i>			X		X
<b>Environmental Science- Workplace</b>					
<i>Scientific Solutions to Con- temporary Environmental Challenges</i>			X		X
<i>Human Health and the Envi- ronment</i>				X	
<i>Energy Conservation</i>					
<i>Natural Resource Science and Management</i>		X	X		X
<i>The Safe and Environmen- tally Responsible Workplace</i>					

**Grade 12 Geography**

<i>Grade 12 Geography</i>	<b>Geographic Foundations: Space and Systems</b>	<b>Human-Environment Interactions Global Connections Understanding and Managing Change</b>			<b>Methods of Geographic Inquiry and Communication</b>
<i>Grade 12 Geography</i>					
<i>Canadian and World Issues: A Geographic Analysis CGW4U</i>		<i>Branch Management A Fine Balance Paths to the Forest</i>			<i>Forest Folks</i>
<i>The Environment and Resource Management CGR4M/ CGR4E</i>		<i>Paths to the Forest Branch Management</i>		<i>Branch Management</i>	<i>Forest Folks Branch Management Paths to the Forest</i>