# K-12 FOREST EDUCATION COLLABORATIVE MEMBERS, PRODUCTS AND SERVICES

## **Steps to Accessing Resources**

#### **BACKGROUND**

Information has been compiled on the 27 *K-12 Forest Education Collaborative* organizations and the services and products. The <u>Collaborative member links</u> provide contact information and the details of the <u>K-12 Collaborative products and services</u> as assistance to teachers. However, anecdotal feedback from teachers indicated a more efficient sourcing of this material would be helpful as they have found it time consuming to access specifics required for their lesson(s). Without a tool/methodology to increase efficiency in access, some teachers may become discouraged and inclined to defer teaching about forests and the forest environment. The attached *K-12 Forest Education Collaborative* teaching resources tables have been prepared to assist teachers in identifying the types of available resources best suited to deliver their Prescribed Learning Outcomes (PLO).

#### INDOOR CLASSROOM LESSON PLANS AND OUTDOOR CLASSROOM PROGRAMS

These teacher resources are of two types: existing *K-12 Forest Education Collaborative* lesson plans and member involvement programs. In some instances the member provides resources for teachers to develop their own lesson plans. There are 3 suggested steps for teachers to determine the best resource material for their needs.

#### Step 1 - Review Table 1

- Identify the desired focus of the lesson(s), either forestry or the forest environment
- Identify whether the lesson should be one for an indoor classroom or to utilize the outdoors as the classroom
- Identify the Grade(s) for which the lesson is desired
- Identify the K-12 Forest Education Collaborative members who provide the desired type of resource

#### Step 2 - Review Table 2

• Review the brief summary of the potential products and services provided by the *K-12 Forest Education Collaborative* members



#### Step 3 – Review Table 3

- Access the website link to the resources for each of the potentially suitable K-12 Forest Education
   Collaborative members
- Review the teaching resources relative to the suitability to deliver the PLO for the Grade to be taught

#### **TEACHER RESOURCES**

Some *K-12 Forest education Collaborative* members provide educational materials for use by teachers on various topics related to the forest or forest environment. If a teacher is looking for materials on a specific topic they may want to review those provided by the identified members. The suggested steps by teachers are:

- Review Table 1 to identify the *K-12 Forest Education Collaborative* member who provides teacher resources
- Review Table 2 regarding the potential suitability of the available materials
- Access the preferred member's website using the contact information in Table 3 to search for the desired materials or ask for assistance from the member

#### FORESTER/BIOLOGIST/SCIENTIST IN THE CLASSROOM

Some of the *K-12 Forest Education Collaborative* members have a program to match one of their members with a teacher to provide the students with information either in the classroom or on a nearby field trip. The preference is for the teacher and the forester, biologist or scientist to work with the teacher in what should be delivered.

Suggested steps to get a person to come to the class or to lead a field trip are:

#### Step 1 – Review Table 1

- Identify the desired focus of the lesson(s), either forestry or the forest environment
- Identify the K-12 Forest Education Collaborative members providing this resource
- Identify the Grade to be involved, the desired time of the visit and the focus of the instruction
- Identify whether a classroom lesson, a field trip or basic resources for teachers is desired

#### Step 2 – Review Table 3

- Contact the *K-12 Forest Education Collaborative* member providing them with the request and timing so a match of the person with the teacher's needs can be identified
- It should be noted that the ABCFP has a provincial wide program to match a forester with a teacher as part of the National Forest Week-BC Coalition initiative (<a href="www.bcnfw.ca">www.bcnfw.ca</a>)



## **TEACHER PROFESSIONAL LEARNING**

There are two of the *K-12 Forest Education Collaborative* members who provide opportunities for teachers to learn about forestry and outdoor classroom programs. Teachers who are interested in one or the other of these should use the information in Table 3 to make the contact. The Festival of Forestry program is presented only once per year for early contact is recommended.

## Table 1

# *K-12 FOREST EDUCATION COLLABORATIVE*Products and Services Summary

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MEMBER	FORESTRY	FOREST	KINDERGARTIN	GRADES 1-4	GRADES 5-6	GRADES 7-9	GRADES 10-12	FIELD TRIPS	KINDERGARTIN	GRADES 1-4	GRADES 5-6	GRADES 7-9	GRADES 10-12	YOUTH	FIELD TRIPS	KINDERGARTIN	GRADES 1-4	GRADES 5-6	GRADES 7-9	GRADES 10-12	KINDERGARTIN	GRADES 1-4	GRADES 5-6	GRADES 7-9	GRADES 10-12	FIELD TRIPS	ALI GRADES
Alberni District Secondary School	х					х	х	х																			
Association of BC Forest Professionals	х	х	х	х	х	х	х									х	х	х	х	х	х	х	х	х	х	х	
Association of Professional Biology																					х	х	x	х	х	x	
BC Community Forests Association	x	х						х		х	х	х	х	х													
Blue Lake Forest Education Society																											
Carihi forestry Education Program	х						х	х																			
Canadian Institute of Forestry	х																				х	х	х	х	х	х	



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Child & Nature Alliance of Canada		х							х	х	х	х	х	х													
District of Mission Tree Farm	x													х	х						х	х	х	х	х	х	
Council of Forest Industries	х			х	х	х	х										х	х	х	х			х	х	х		
Envirothon BC	х	х				х	х																				
Evans Lake Forest Education Society		x								х	х	х	х	х	х												
Federation of BC Woodlot Associations	х	х	х	х	х	х		х																			
Festival of Forestry	х																										
Forest School Canada		х							х	х	х	х	х														
Galiano Conservancy Association		х							х	х	х	х	х	х													
Gavin Lake Forest Education Centre		x									х				х												



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Habitat Conservation Trust Foundation		х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х								
Learn Forestry	х	х	х	х	х	х	х																				
MFLNRO-BC Timber Sales	х	х																			х	х	х	х	х	х	
Northwest Wildlife Preservation Society		х	х	х	х	х	х	х	х	х	х	х	х	х	х												
Science World- Science & innovators schools program		x																			х	х	х	х	х		
Selkirk College	х	х	х	х	х	х	х	х																			
Silver Lake Camp		х							Х	х	х	х	х	х													
South Coast Conservation Program		х	х	х	х	х																					
Sunnyside Acres Heritage Society		х							х	х	х	х	х	х													
Young Naturalists of BC		х							х	х	х	х															



## Table 2

# *K-12 FOREST EDUCATION COLLABORATIVE*MEMBERS, PRODUCTS AND SERVICES DESCRIPTIONS

ORGANIZATION	PRODUCTS AND SERVICES
Forestry class instruction	
Alberni District Secondary School Forestry Program	Programs focused on building and developing understanding of issues of Natural Resource Management in BC with a strong focus on forestry education, training, and skill development for Grades 9 – 12 students in our public school system.
Carihi Forestry Education Program	Half day course focused on building employable skills and educating students on forests
Envirothon BC	Grades 9-12 environmental education program focusing on aquatic, forest, wildlife, soils resources and sustainable agriculture to help secondary students go from environmental awareness to active stewardship
Outdoor classroom opportunities	
Blue Lake Forest Education Society	Outdoor education programs and teaching materials for Grades 1-12 students
Child and Nature Alliance of Canada	Outdoor programs that encourage youth to connect with the outdoors and nature
District of Mission Interpretive Forest Program	Developing interpretive programs regarding tourism and recreation and providing support for career discussions with students
Evans Lake Forest Education Society	Forest and outdoor education programs for school classes and youth groups ages 8-16
Forest School Canada	Outdoor learning program with a strong emphasis on educators observing, learning with, and teaching students in the context of the environment
Galiano Conservancy Association	Outdoor program involving K-12 students to participate in forest restoration projects and learn about the environment and its relationship to their lives
Gavin Lake Forest Education Centre	Outdoor education program modules that cover topics such as ecology, first nations culture, sustainability, habitat and forest use for local grade 6 classes
Silver Lake Camp	Forest and outdoor education programs for school classes and youth groups
Sunnyside Acres Heritage Society	Provides an urban forest as a learning area regarding nature and forest history
Young Naturalists Club of BC	Outdoor opportunities for K-12 students to learn about and appreciate nature

Healthy Forests-Healthy Communities: A conversation on BC forests
Web: <a href="mailto:http://bcforestconversation.com">http://bcforestconversation.com</a>
Email: <a href="mailto:info@bcforestconversation.com">info@bcforestconversation.com</a>



ORGANIZATION	PRODUCTS/SERVICES
Classroom teaching resources	
Association of BC Forest Professionals	Teacher and classroom resources; ABCFP member resources; focus on basic forest information and forest sector careers
BC Community Forests Association	Information about community forestry; field experience for High School forestry class students
Canadian Forestry Association/CIF	Teaching Kits for educators with the tools to help K-12 students better understand the value of forests and the importance of protecting and conserving them
Council of Forest Industries	SFM teaching materials for Grades 5-12; career opportunity information for Grades 11-12
Federation of BC Woodlot Associations	Resource package to provide school education on BC's forests, protecting forest values and resources
Festival of Forestry	Provide teachers with information and materials that can be taken back into the classroom and used as teaching tools, extending the information to their students and colleagues
Forests Ontario - Partner	Focus on Forests is Canada's source of forest education, providing resources and programs to connect youth with our natural environment. We achieve this by providing interactive programs for youth and by providing teachers with free educational resources.
Habitat Conservation Trust Foundation/Wild BC	Environmental education programs, teaching materials and lesson plans for K-12 students
Learn Forestry	Forest resource kits for K-12, including teacher resource materials, lessons plans
Northwest Wildlife Preservation Society	School presentations on wildlife, Nature Walks & Workshops and Youth Estuary Stewardship programs in lower mainland, Fraser Valley and Vancouver Island schools
South Coast Conservation Program	Guidebook for K-7 teachers regarding educating students on the species and ecosystems at risk in south coast
Support for teachers and students	
Association of Professional Biology	Internal programs and resources for APB members use
MFLNRO-BCTS	Provides staff support for teachers
Science World Scientist & Innovators Schools Program	School presentation program that helps address British Columbia's need for more scientists, engineers, technologists and technicians to promote students' interest in these areas
Selkirk College	Teacher and classroom resources; focus on basic forest information and forest sector careers

Healthy Forests-Healthy Communities: A conversation on BC forests
Web: <a href="mailto:http://bcforestconversation.com">http://bcforestconversation.com</a>
Email: <a href="mailto:info@bcforestconversation.com">info@bcforestconversation.com</a>



## Table 3 K-12 FOREST EDUCATION COLLABORATIVE

# **Organization Information and Links**

## **Alberni District Secondary School Forestry Programs**

Organization	SD#70/Alberni District Secondary School Forestry programs
Link to organization web site	www.sd70.bc.ca/school/adss/Pages/default.aspx/
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Ryan Dvorak <u>rdvorak@sd70.bc.ca</u>
Other organization related links	
Other information link(s)	Our programs are focused on building and developing understanding of issues of Natural Resource Management in BC with a strong focus on Forestry education, training, and skill development for Grades 9 – 12 students in our public school system.

## **Association of BC Forest Professionals**

Organization	Association of BC Forest Professionals
Link to organization web site	www.abcfp.ca
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Amanda Brittain <u>abrittain@abcfp.ca</u>
Other organization related links	

## **Association of Professional Biology**

Organization	Association of Professional Biology
Link to organization web site	www.professionalbiology.com
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Marie Vander Heiden managingdirector@professionalbiology.com
Other organization related links	

#### **BC Community Forests Association**

Organization	BC Community Forest Association
Link to organization web site	www.bccfa.ca
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Jennifer Gunter, Executive Director jgunter@bccfa.ca
Other organization related links	

#### **Blue Lake Forest Education Society**

Organization	Blue Lake Forest Education Society
Link to organization web site	<u>www.bluelakecentre.com</u>
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Todd Hebert toddhebert@bluelakecentre.com
Other organization related links	

#### Carihi Forestry Education Program – Campbell River

Organization	Carihi Forestry Education Program
Link to organization web site	
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Jason Kerluck <u>Jason.kerluck@sd72.bc.ca</u>
Other organization related links	www.sd72.bc.ca/school/carihi

#### **Course Description**

For the second year, Carihi is offering a Forestry Education Program using 21<sup>st</sup> Century learning strategies (project/student inquiry based), that will see students learning outside of the traditional classroom. This course builds employable skills by using a hand's on approach that will educate students on BC's largest natural resource. Through participation in this half day course, students will receive 8 school credits (science/elective). The goal of this program is to provide opportunities to create more connections within the school, and illustrate different career opportunities while ultimately enhancing learning.

Currently there is planning underway to potentially develop two forestry classes, grade 11 and 12. The grade 11 option would be similar to the current course, and would be a prerequisite for the grade 12 course. Through partnership with North Island College this course would allow students to receive school credits, numerous field certificates, and college credits at no cost. Contact coordinator and instructor Jason Kerluck at Carihi if you have questions about the Carihi Forestry Education Program, or if you can help support this exciting opportunity.



## **Canadian Institute of Forestry/Canadian Forestry Association**

Organization	Canadian Institute of Forestry (CIF)/Canadian Forestry Association (CFA)
Link to organization web site	http://canadianforestry.com
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Matt Meade (mmeade@cif-ifc.org)
Other organization related links	Canadian Institute of Forestry <a href="http://cif-ifc.org/">http://cif-ifc.org/</a>

## **Child and Nature Alliance of Canada**

Organization	Child Nature Alliance of Canada WildPlay Ltd.
Link to organization web site	www.childnature.ca/ www.wildplay.com/
Link to organization programs	http://childnature.ca/natural-leaders-alliance http://childnature.ca/great-canadian-nature-play- showdown
Link(s) to organization education materials	Not applicable
Organization contact	Katherine Walker <u>KWalker@wildplay.com</u>
Other organization related links	Join CNA today: <a href="http://childnature.ca/great-canadian-nature-play-showdown">http://childnature.ca/great-canadian-nature-play-showdown</a>

## **Council of Forest Industries**

Organization	Council of Forest Industries
Link to organization web site	www.cofi.org
Link to organization programs	
Link(s) to organization education materials	
Organization contacts	Mark LaFleur Forest Education Manager <a href="mailto:lafleur@cofi.org">lafleur@cofi.org</a> 250-564-5136
Other organization related links	



## **District of Mission Tree Farm**

Organization	District of Mission – Forest Enterprise (TFL26)
Link to organization web site	www.mission.ca/forestry
Link to organization programs	Trails and Recreation areas:  www.mission.ca/forestry/forest-trails-recreation- areas/ 2014 Trails Challenge - Passport Going live on June 26: www.mission.ca/2014 Trails Challenge/
Link(s) to organization education materials	www.mission.ca/forestry/education
Organization contact	Kelly Cameron kcameron@mission.ca Forest Technologist
Other organization related links	

## **Envirothon BC**

Organization	Envirothon BC
Link to organization web site	http://envirothonbc-com.webs.com/
Link to organization programs	http://envirothonbc-com.webs.com/the- competition
Link(s) to organization education materials	http://envirothonbc-com.webs.com/resources
Organization contact	Connie Williams envirothonbc@shaw.ca
Other organization related links	

## **Evans Lake Forest Education Society**

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Organization	Evans Lake Forest Education Society
Link to organization web site	http://www.evanslake.com
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Conor Lorimer conor@evanslake.com
Other organization related links	



## **Federation of BC Woodlot Associations**

Organization	Federation of BC Woodlot Associations
Link to organization web site	www.woodlot.bc.ca
Link to organization programs	
Link(s) to organization education materials	http://www.woodlot.bc.ca/resources.html#education
Organization contact	Lisa Marak (250) 765-6156 <a href="mailto:lmarak@telus.net">lmarak@telus.net</a>
Other organization related links	

## **Festival of Forestry**

Organization	Festival of Forestry
Link to organization web site	http://www.festivalofforestry.org/Welcome.html
Link to organization programs	http://www.festivalofforestry.org/About_Us.html
Link(s) to organization education materials	http://www.festivalofforestry.org/Resources.html
Organization contact	Brenda Martin, <u>Brenda@tla.ca</u> , Sandy McKellar <u>sandy@treefrogcreative.ca</u>
Other organization related links	

#### **Forests Ontario - Partner**

Organization	Forests Ontario
Link to organization web site	http://www.forestsontario.ca/
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Jessica Kaknevicius
	jkaknevicius@forestsontario.ca
Other organization related links	

## **Forest School Canada**

Organization	Forest School Canada
Link to organization web site	www.forestschoolcanada.ca
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Marlene Power <u>mpower@forestschoolcanada.ca</u>
Other organization related links	Child and Nature Alliance of Canada http://childnature.ca/

## **Galiano Conservancy Association**

Organization	Galiano Conservancy Association
Link to organization web site	www.galianoconservancy.ca
Link to organization programs	http://galianoconservancy.ca/nature-programs
Link(s) to organization education materials	http://galianoconservancy.ca/history
Organization contact	Keith Erickson
	conservancy@galianoconservancy.ca
Other organization related links	

#### **Gavin Lake Forest Education Centre**

Organization	Gavin Lake Forest Education Society
Link to organization web site	http://gavinlakecamp.wordpress.com/contact/
Link to organization programs	
Link(s) to organization education materials	
Organization contact	mtudor@xplornet.com
Other organization related links	

## **Habitat Conservation Trust Foundation/Wild BC**

Organization	Habitat Conservation Trust Foundation (HCTF) HCTF Education
Link to organization web site	www.hctf.ca
Link to organization programs	
Link(s) to organization education materials	
Organization contact	Kerrie Mortin 250.940.9787
	kerrie.mortin@hctf.ca
Other organization related links	

## **Learn Forestry**

Organization	Learn Forestry
Link to organization web site	http://www.learnforestry.com/
Link to organization programs	http://www.learnforestry.com/
Link(s) to organization education materials	
Organization contact	info@learnforestry.com
Other organization related links	http://www.learnforestry.com/links/index.shtml

## Ministry of Forests, Lands and Natural Resource Operations – BCTS

Organization	BC Timber Sales,
	Ministry of Forests, Lands and Natural Resource
	Operations
Link to organization web site	http://www.for.gov.bc.ca/bcts/
Link to organization programs	Forest and Safety Certification
	http://www.for.gov.bc.ca/bcts/forestCertification/
Link(s) to organization education materials	
Organization contact	Laurie McCulligh, Business Relations Officer
	<u>Laurie.McCulligh@gov.bc.ca</u>
Other organization related links	https://gww.nrs.gov.bc.ca/flnr/ministry

## **Northwest Wildlife Preservation Society**

Organization	Northwest Wildlife Preservation Society
Link to organization web site	www.northwestwildlife.com
Link to organization programs	http://northwestwildlife.com/educational-programs/
Link(s) to organization education materials	
Organization contact	Ann Peters, Executive Director <u>execdirector@northwestwildlife.com</u>
Other organization related links	

## Science World's Scientist and Innovators in the Schools Program

Organization	Scientists and Innovators in the Schools
Link to organization web site	http://www.scienceworld.ca/sis
Link to organization programs	http://www.scienceworld.ca/sis
Link(s) to organization education materials	http://resources.scienceworld.ca/
Organization contact	sisinfo@scienceworld.ca
Other organization related links	

## Selkirk College – opportunity to join under review internally

Organization	Selkirk College, School of Environment and
	Geomatics, Forestry Technology Program
Link to organization web site	www.selkirk.ca
Link to organization programs	http://selkirk.ca/program/forest-technology
Link(s) to organization education materials	
Organization contact	Carol Andrews <u>candrews@selkirk.ca</u>
	250-365-7292 (21504)
Other organization related links	



## Silver Lake Camp

Organization	YMCA of Okanagan
Link to organization web site	www.ymcaokanagan.ca/silverlake
Link to organization programs	Listed on our website in our Outdoor Education
	Package
	http://www.ymcaokanagan.ca/silverlake/outdoor-
	education/
Link(s) to organization education materials	n/a
Organization contact	Nina Sampson
Other organization related links	

## **South Coast Conservation Program**

Organization	South Coast Conservation Program
Link to organization web site	www.sccp.ca
Link to organization programs	http://sccp.ca/projects
Link(s) to organization education materials	http://sccp.ca/resources/species-risk-classroom-
	guidebook-educators
Organization contact	Pamela Zevit, Program Coordinator
	coordinator@sccp.ca
Other organization related links	http://www.geog.ubc.ca/biodiversity/factsheets/

## **Sunnyside Acres Heritage Society**

Organization	Sunnyside Acres Heritage Society
Link to organization web site	http://www.sunnysideacres.ca/index.html
Link to organization programs	Dedicated by the City of Surrey as an 'Urban Forest Park' in perpetuity the Society offers guided tours to any interested group, including local schools
Link(s) to organization education materials	
Organization contact	
Other organization related links	



## **Young Naturalists of BC**

Organization	Young Naturalists' Club of BC  The Young Naturalists' Club of BC gets children outside discovering nearby nature with a network of over 35+ volunteer-led Nature Clubs across the Province of BC. Children aged 5-12 discover the wonders of the natural world as they explore the outdoors on Explorer day field trips, (with local volunteer nature mentors/experts) read about nature in NatureWILD magazine and take action for the environment with an Action Awards program and Stewardship Projects.
Link to organization web site, programs, education materials	www.ync.ca http://www.ync.ca/2000/01/volunteer-opportunities.html
Organization contact	Kristine Webber, Executive Director kristinewebber@ync.ca
Other organization related links	2012 Annual report <a href="http://issuu.com/yncofbc/docs/annual_report_2013_ync_agm_infogra">http://issuu.com/yncofbc/docs/annual_report_2013_ync_agm_infogra</a> YouTube Videos About Program  Victoria YNC Club: <a href="http://youtu.be/VocWr2rHKHM">http://youtu.be/VocWr2rHKHM</a> Cowichan YNC Club: <a href="http://youtu.be/dR b7XSzRM8">http://youtu.be/dR b7XSzRM8</a>