

2017 Bonnechere Provincial Park

School Programs

May 23 to June 16

Agenda

- 9:30: Arrival
- 9:45 – 11:30: Experiential Program I
- 11:30 – 1:00: Lunch & Recreational Activities
- 1:00 – 2:30: Experiential Program II
- 2:45: Departure

Options

- Most programs can be adapted for various ages or grades.
- Programs can be adapted for rainy weather.
- Choose TWO programs per day.

Cost: \$260 per class

Includes Park take-home classroom resources (books and CD), program interpreters, park facilities, school bus pass. Many programs include souvenirs.

Additional vehicles (parents and chaperones in separate cars) must purchase a Daily Vehicle Permit: \$14).

Make cheques payable to: *Friends of Bonnechere Parks.*

Curriculum Planning

All programs are designed to reflect Ontario Curriculum requirements.

Most programs are interchangeable between grades.

Integrated quizzes, activities, lesson plans, images and Black Line Masters (BLM) are available online at:

www.bonnecherepark.on.ca

Accessibility

The Davenport Centre, The Depot, Comfort Station, outdoor toilets and most areas of the Park are wheelchair accessible.

Come Prepared

Dress for the weather: rain gear, warm clothes, sun hats, bug jackets and sturdy shoes.

Bring a healthy picnic lunch ensuring that Boomerang Lunch guidelines are followed, remembering that anything which is not eaten is to be taken home.

Swimming

If students plan to swim, teachers will be responsible for supplying a qualified lifeguard.

Footprints In Time Action Song

Sung to tune of 'This Old Man'

Turtle Island time machine,
Footprints show where we have been.
Spirits of the Little Bonnechere,*
Guide us through 12 000 years.

Clap 2 times. Wolf howl.

Paleo-Indian: 12 000 years ago! *Clap 2 times. Wolf howl.*
Archaic: 10 000 years ago! *Clap 2 times. Wolf howl.*
Woodland: 3000 years ago! *Clap 2 times. Wolf howl.*
Historic: 500 years ago! *Clap 2 times. Wolf howl.*

Turtle Island time machine,
Footprints show where we have been.
Spirits of the Little Bonnechere,*
Guide us through 12 000 years.

Clap 2 times. Wolf howl.

To Book Your Trip:

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Phone: 613 757 2103
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www.bonnecherepark.on.ca

Footprints in Time

Kindergarden - 8

As students walk the Footprints in Time (FIT) trail they traverse the four eras of human history via the Turtle Island Time Machine. Experiential activities guide them as they see, hear and touch cultural artefacts and natural elements that stretch back 12 000 years. This time travel is designed to increase their understanding of how the water, land and people shaped the history of the Ottawa Valley. They will also learn why it's so important to protect these stories and this place for those who come after us.

Note: Learn the Footprints in Time action song ahead of your visit (*see page 1*).

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Learn a traditional First Nations teaching
- Explore elements from four eras of human history: Paleo-Indian, Archaic, Woodland and Historic
- Time travel from 10 000 BC to present
- Build a tree; visit an ancient beach
- Still hunt like the Woodland people
- Learn the J-stroke for canoeing
- See a beaver house and touch a beaver skull
- Measure your pace (survey the land)
- Learn how the Bonnechere River was formed
- Observe wetland habitat flora and fauna

Take-Homes

- *Discover the Spirits of the Little Bonnechere: A Cultural Heritage Activity Book for Youth*
- *Walks of the Little Bonnechere River*

Online Resources

Lesson 3: <http://www.museevirtuel-virtualmuseum.ca/sgc-cms/expositions-exhibitions/esprits-spirits/English/Resources/index.html>

Designed to Move

Kindergarden - 8

Renfrew County is experiencing a cultural shift towards reversing the negative health statistics that are affecting how our children live, learn and play. This new program is designed to guide students and educators through an exploration of the benefits of moving more in the outdoors. They will learn about the positive effects of spending time in green spaces, walking and cycling around home and school, and staying active to keep healthy -- for a lifetime.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Explore the concept of happy places
- Join voices to create a natural symphony
- Experience walking purposefully on Earth
- Play: Howl and Run
- Play: Camouflage
- Learn about Active Transportation (AT)
- Chalk Talk: I love to move more because...

Take-Homes

- AT Fact Sheets

Online Resources

Learn more about Active Transportation: <http://www.physicalactivitynetwork.ca/AT>

Stepping It Up Video: <http://www.physicalactivitynetwork.ca/video/stepping-it>

Stepping It Up Teacher's Guide: <http://tiny.cc/SIUTeachersGuide>

Get to School (and Back Again) Safely downloadable board game:

<http://www.nhtsa.gov/Driving+Safety/Bicycles/Get+To+School+%28and+back+again%29+Safely+Gameboard>

Tips for Getting Youth Engaged in AT: <http://www.saferoutesinfo.org/program-tools/tips-engaging-middle-school-students-safe-routes-school-programs>

Prehistoric Pots

Grades 3 - 8

During the Woodland era, the Algonquins learned to make pots through trade with the Hurons. Having clay pots was a great advantage because it meant food could be cooked in them over a fire. This innovation saved women many hours of cooking time. Unfortunately, the pots were fragile and broke easily. Thus, making pots became a new pastime.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Make a clay pot rubbing
- Use clay to make a pinch or coil pot
- Learn about and create traditional decorative patterns in wet clay
- See an 800 year-old pot shard which was found along the Bonnechere River
- Still Hunt like the Woodland people
- Play LINGO – Algonquin Bingo

Take-Homes

- *Discover the Spirits of the Little Bonnechere: A Cultural Heritage Activity Book for Youth*
- *Visiting the Spirits: Exploring the Hidden Heritage of the Little Bonnechere River* (interactive CD)
- Clay pot

Online Resources

<http://www.thealgonquinway.ca/English/learning-resource-e.php?lesson=6>

<http://www.thealgonquinway.ca/English/stone-sub-e.php?cat=11>

<http://www.thealgonquinway.ca/English/learning-resource-e.php?lesson=5>

<http://www.thealgonquinway.ca/English/learning-resource-e.php?lesson=8>

Bird Habitat

Grades 1 - 3

Of the 479 bird species that have been seen in Ontario, 300 live in Renfrew County, seasonally or year-round. Of these, thirteen are characterized as species-at-risk. Habitat protection is one of the most important factors in preventing bird species from becoming extinct. Discover what you can do to help protect bird habitat in your neighbourhood. Together, we can make a difference.

Curriculum Connections

- Health and Physical Education
- Science and Technology
- The Arts

Program

- Learn about the importance of birds in the ecosystem
- Visit various bird habitats
- See and hear Renfrew County birds in their natural habitat
- Learn about Renfrew County at-risk bird species:
 - view photos
 - listen to audio clips of their songs
- Learn what we can do to help protect birds
- Play *Habitat Hopscotch*
- Play *Camouflage*

Take-Homes

- *Habitat: There for the Birds* teacher info sheets
- *Bird Profile* colouring sheets
- Renfrew County bird species-at-risk stickers

Online Resources

<http://www.bonnecherepark.on.ca/html/programs/resources-birds.html>

<http://www.bonnecherepark.on.ca/games/game-bird.html>

In order to see birds, it's important to become part of the silence.

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Bird Migration

Grades 3 - 7

Each year millions of birds fly thousands of kilometers from their winter grounds, stay for sometimes only six weeks to feed and breed, then begin the journey back again. Many species of birds migrate to and through Renfrew County; some are at-risk. Learn about the annual migration patterns of these birds and how they adapt for migration. Discover what we can do to help improve survival rates.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Science and Technology
- The Arts

Program

- Learn why, how and where birds migrate
- Learn how to recognize the flying patterns of various bird species
- See and hear Renfrew County birds in their natural habitat
- Learn about Renfrew County at-risk bird species:
 - view photos
 - listen to audio clips of their songs
- Learn what we can do to help protect birds
- Play *Flying to Survive* migration game

Take-Homes

- *Habitat: There for the Birds* teacher info sheets
- Renfrew County bird species-at-risk stickers

Online Resources

<http://www.bonnecherepark.on.ca/html/programs/resources-birds.html>

<http://www.bonnecherepark.on.ca/games/game-bird.html>

<http://www.bonnecherepark.on.ca/games/quiz-bird.html>

Bird Habitat Scan

Grades 5 - 9

Like all plants and animals, each bird species has developed a unique set of adaptations (behaviours, beak and body shape, feathers and flight patterns) that have evolved over thousands of years to enable it to survive in a certain *niche*. If a bird's habitat becomes threatened, the species can become at-risk. If that habitat is mostly destroyed, the species becomes highly at-risk for extinction. Learn about the *niche* habitats required for Renfrew County at-risk bird species, so that we can better understand habitat threats and what we can do to help regenerate these creatures.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Learn about various bird habitats: wetlands, near water, forest edge, mature deciduous forest, high places, open spaces
- Learn about Renfrew County at-risk bird species:
 - view photos
 - listen to audio clips of their songs
- Learn what we can do to help protect birds
- Conduct a *Bird Habitat Scan*: an outdoor scavenger hunt for natural elements

Take-Homes

- *Habitat: There for the Birds* teacher info sheets
- Renfrew County bird species-at-risk stickers

Online Resources

<http://www.bonnecherepark.on.ca/html/programs/resources-birds.html>

<http://www.bonnecherepark.on.ca/games/game-bird.html>

<http://www.bonnecherepark.on.ca/games/quiz-bird.html>

Turtle Habitat

Kindergarten - Grade 2

As a cultural icon, the turtle features prominently in today's society. Traditional Aboriginal legends and ancient Greek myths reflecting turtle characteristics and wisdom are still shared today. Increasingly, communities celebrate the annual turtle season each May and June, when most North American turtles lay their eggs. Sadly, only one percent will survive to adulthood. Learn about the ideal habitat for at-risk turtle species in Renfrew County, and what we can all do to help turtles survive.

NOTE: In celebration of turtle season, children are encouraged to wear green clothing to the Park for this program.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Welcome to Turtle Season
- See and feel life size models of 8 Ontario turtles
- Compare the size and features of local turtles
- Debunk some common turtle myths
- Learn what we can do to help save turtles
- Role play: *A Year in the Life of a Turtle*
- Play *Turtle Tag*
- Join a *Hale to the Turtle Parade*

Take-Homes

- 1 Save Ontario Turtles bumper sticker

Online Resources

<http://www.bonnecherepark.on.ca/html/programs/resources-turtles.html>

<http://www.bonnecherepark.on.ca/games/quiz-turtle.html>

<http://www.bonnecherepark.on.ca/games/game-turtle.html>

Turtle Survival

Grades 3 - 4

Studies show that there is an extremely low chance - one percent - of a turtle surviving from egg to adulthood. That's right, only 1 of every 100 turtles survives. This means that in our exercise, where we start out with 25 to 30 eggs (students), the chances of any making it to adulthood and successfully reproducing is statistically zero. This will become clear to the class by the end of the exercise. Renfrew County turtles face numerous obstacles in order to survive. Learn about the threats to life, odds of survival and what you can do to protect turtles and their habitat.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Welcome to Turtle Season
- See and touch life-size models of Ontario at-risk turtles
- Debunk some common turtle myths
- Learn what we can do to help save turtles
- Learn how to safely move turtles
- Play *Up Against the Odds*
- Play *Turtle Tag*
- Visit turtle habitat sites along the Bonnechere River
- Search for turtles in their natural habitat

Take-Homes

- 1 Save Ontario Turtles bumper sticker

Online Resources

<http://www.bonnecherepark.on.ca/html/programs/resources-turtles.html>

<http://www.bonnecherepark.on.ca/games/quiz-turtle.html>

<http://www.bonnecherepark.on.ca/games/game-turtle.html>

Turtles and the Ecosystem

Grades 3 - 8

Turtles require a variety of environmental conditions in order to survive. Students will investigate the interconnections between various components in a turtle's ecosystem by participating in a role-play activity.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Welcome to Turtle Season
- See and touch life-size models of Ontario at-risk turtles
- Debunk some common turtle myths
- Learn what we can do to help save turtles
- Learn how to safely move turtles
- Role play: *Recreating a Turtle Ecosystem*
- Search for turtles in their natural habitat and use a GPS to track turtles and upload data to Metro Toronto Zoo Turtle Tally:
<http://www.torontozoo.com/adoptapond/TurtleTally.asp>

Take-Homes

- 1 Save Ontario Turtles bumper sticker

Online Resources

<http://www.bonnecherepark.on.ca/html/programs/resources-turtles.html>

<http://www.bonnecherepark.on.ca/games/quiz-turtle.html>

<http://www.bonnecherepark.on.ca/games/game-turtle.html>

Archaeology 101

Kindergarten - Grade 8

Archaeology helps us establish a link with the past to understand cultures from a different era. When archaeologists try to piece together the history of a site, they always take the same steps in the same order. This is called the scientific method. This helps them sort through the puzzle and keep track of the pieces. Students will learn the basics of how to conduct an archaeological dig: record keeping, excavating, cataloguing, cleaning and reconstruction.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Learn names of tools used by archaeologists
- Learn basic archaeological methods
- Excavate a square and screen the soil
- Conduct artefact reconstruction
- Interpret artefacts by era
- Play the *Stratigraphy Game* to trace artifacts back thousands of years

Take-Homes

- *Discover the Spirits of the Little Bonnechere: A Cultural Heritage Activity Book for Youth*
- *Visiting the Spirits: Exploring the Hidden Heritage of the Little Bonnechere River* (interactive CD)

Online Resources

<http://virtualmuseum.ca/Exhibitions/Spirits/English/index.html>

<http://www.virtualmuseum.ca/Exhibitions/Spirits/English/Dig/index.html>

<http://www.museevirtuel-virtualmuseum.ca/sgc-cms/expositions-exhibitions/esprits-spirits/English/Resources/index.html>

Pioneer Lights

Grades 5 - 8

Electricity was not invented until the early 1900s. Before that time and well into the middle of the last century many homes in the Ottawa Valley were lit using candles and lanterns. Learn about these various pioneer light sources, and how they were made and used, especially during the long dark nights of a Canadian winter.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Role play First Nations legend:
How Humans Obtained Fire
- Learn how basic materials were used to create light and warmth
- View pioneer lanterns
- Learn about the dangers of lighting a home with fire
- Make a tin lantern
- Make a beeswax candle

Take-Homes

- *Discover the Spirits of the Little Bonnechere: A Cultural Heritage Activity Book for Youth*
- *Visiting the Spirits: Exploring the Hidden Heritage of the Little Bonnechere River* (interactive CD)
- Handmade lantern and/or candle

Online Resources

<http://www.virtualmuseum.ca/edu/ViewLoitCollection.do?method=preview&lang=EN&id=21>

Pioneer Chores and Games

Grades 1 - 5

'First we work and then we play' is an old saying that our great-grandparents adhered to in order to survive. Learn more about how the Ottawa Valley settlers lived, worked and played. Visit the home-away-from-home of an early Algonquin Park forest ranger; carry out some household chores, then play games that celebrate our natural and cultural heritage.

Curriculum Connections

- Health and Physical Education
- Social Studies
- Mathematics
- Science and Technology
- The Arts

Program

- Tour the Pine River Cabin at The Depot to observe construction techniques and living space
- See how a broad axe is used to square off a round log
- Build a structure out of square timbers
- Try out a pioneer plow
- Fetch water in metal pails
- Pile firewood
- Make and play Button Whirligig and/or String-and-Ring
- Play a variety of games such as:
 - Bat and Moth
 - Fox and Goose
 - Cat's Cradle
 - Broken Telephone
 - Deer Ears
 - Sack Race
 - Egg 'n Spoon Race
 - Tug-of-War

Take-Homes

- *Discover the Spirits of the Little Bonnechere: A Cultural Heritage Activity Book for Youth*
- *Visiting the Spirits: Exploring the Hidden Heritage of the Little Bonnechere River* (interactive CD)
- Handmade Button Whirligig and/or String-and-Ring