



**SCIENTISTS**  
IN SCHOOL

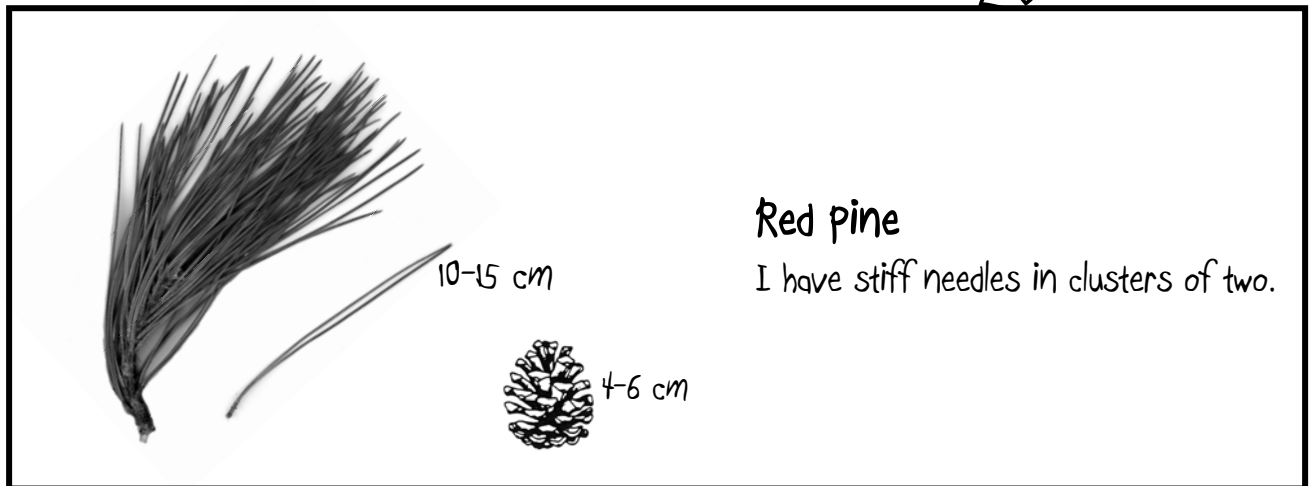
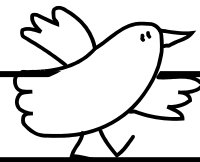


# Tree-Finder's Guide

...for Common Trees in Southern Ontario

Name: \_\_\_\_\_

# Coniferous Trees



# Coniferous Trees



## White Spruce

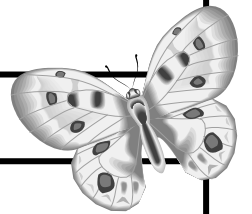
I have short, single needles that form cylinders around my twigs. Each of my needles feels four-sided.



## Blue Spruce

people often plant me because of my pretty blue colour. I have short, single needles that form cylinders around my twigs.

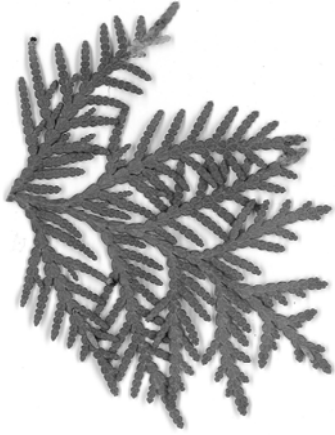
Be careful - my needles are very sharp!



## Norway Spruce

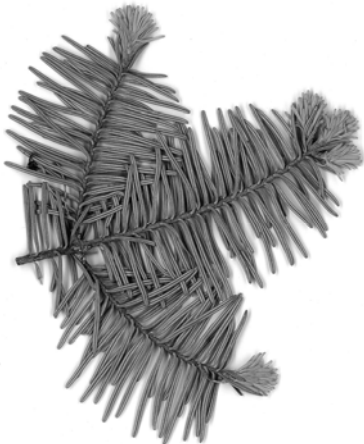
I have short, single needles that form cylinders around my twigs. Each of my needles feels four-sided and my branches are droopy.

# Coniferous Trees



## Eastern White Cedar

I have needles that are overlapping scales. My tiny cones are found in clusters.

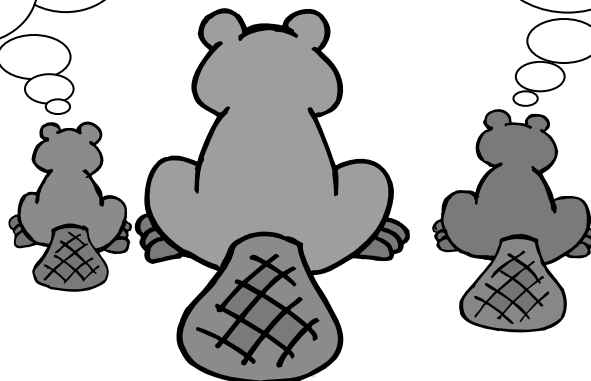


## Hemlock


I have single, short needles with a white line on the underside and flattened branches.

Coniferous trees contain their seeds in cones and have needles as their leaves.

Deciduous trees shed their leaves at the end of the growing season.



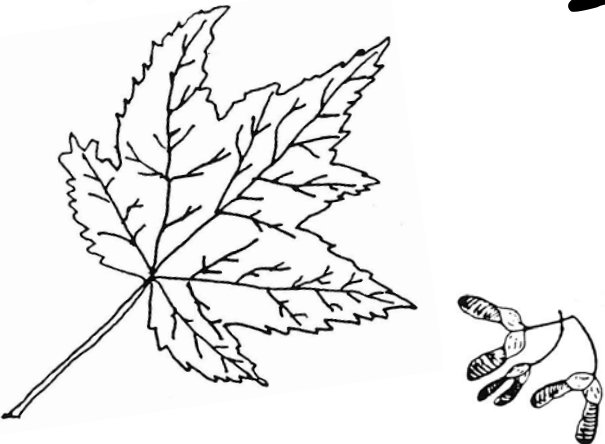
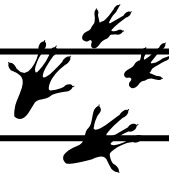
# Deciduous Trees — with opposite branching and leaves



**Sugar Maple**  
My leaves have three lobes and are U-shaped in between. When you split a leaf stem, my sap is clear.



**Norway Maple**  
My leaves have 5 major lobes. When you split a leaf stem, my sap is milky.



**Red Maple**  
My leaves are v-shaped and very toothed between the lobes.

## Deciduous Trees — with opposite branching and leaves



### Silver Maple

My leaves are green above, silvery underneath and v-shaped between the lobes.



### Ash-leaf Maple

I am the only species of maple with compound leaves. Each leaf has 3-7 light green leaflets with wavy edges.



The best sap for maple syrup comes from the sugar maple!

Maple is a common name for trees under the genus *Acer*. *Acer* is a latin word that means sharp.

The maple leaf has been adapted as the national arboreal emblem of Canada.

The seeds of maple trees are called keys. They resemble helicopters as they fall. Throw one up in the air - it's fun!

# Deciduous Trees - with opposite branching and leaves



**White Ash**  
I have compound leaves with 7 dark green leaflets. When I am older, my bark has a diamond pattern.

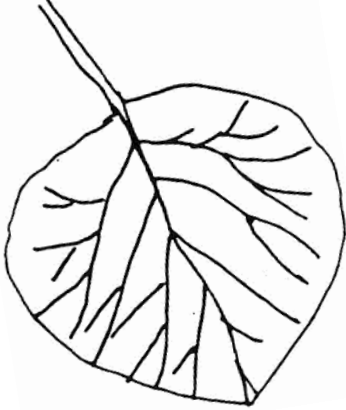


**Dogwood**  
I am a shrub. My leaves have smooth edges and curved veins. My twigs are usually red.



**Horse Chestnut**  
I have compound leaves shaped like a hand. In the fall I produce chestnuts for the squirrels to eat.

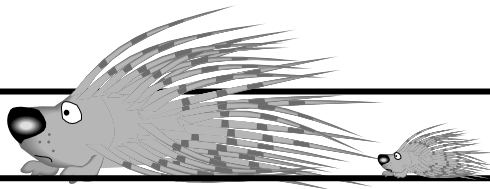
# Deciduous Trees - with alternate branching and leaves



**Trembling Aspen**  
I have small, almost round leaves that tremble in the wind. This is because they are attached by a very long stem, called a petiole.

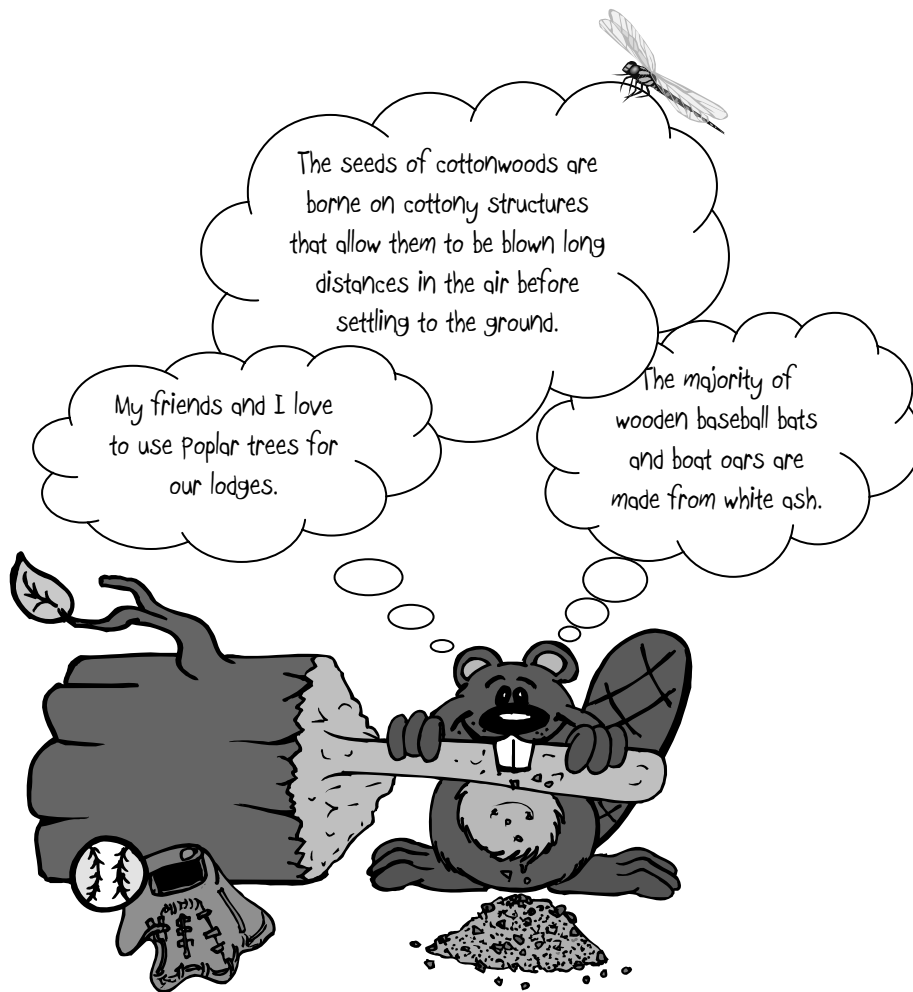


**Large-toothed Aspen**  
I have large, round leaves with teeth that are widely spaced.



**Cottonwood**  
I have wide, shiny, triangular leaves with small wavy teeth.

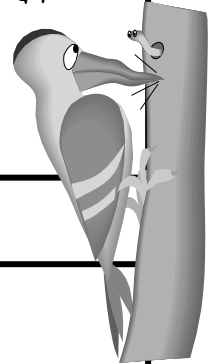
# Deciduous Trees - with alternate branching and leaves




# Deciduous Trees - with alternate branching and leaves



**Red Oak**  
My leaves have lobes with pointed tips. Like all oaks, my seed is an acorn.



**White Oak**  
My leaves have lobes with rounded tips.



**Burr Oak**  
My leaves have lobes with rounded tips and a very narrow base. My acorns have a cap that covers half of the acorn.

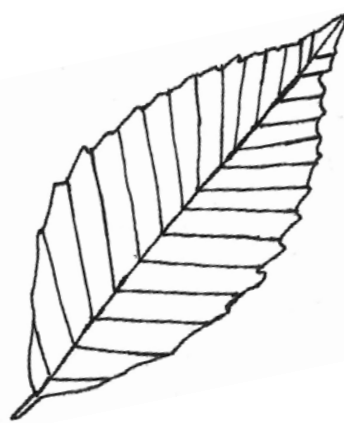
# Deciduous Trees - with alternate branches and leaves



**Elm**  
My leaves are rough with parallel veins and usually unsymmetrical.



**Ironwood**  
I have soft leaves arranged in two rows along my twigs. My bark looks stringy.



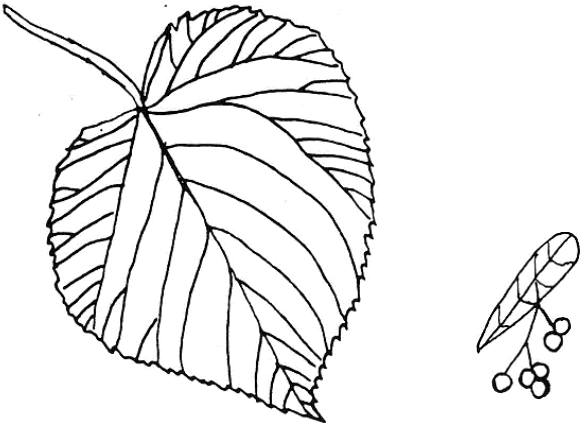
**American Beech**  
My leaves are stiff with long with pointed tips and veins which run in parallel lines. I have smooth, light-grey bark. My trunk looks like an elephant's leg.

## Deciduous Trees - with alternate branches and leaves




### White Birch

My leaves are dark green above and finely toothed. My seeds form in clusters. My bark is white and has loose layers.



### Basswood

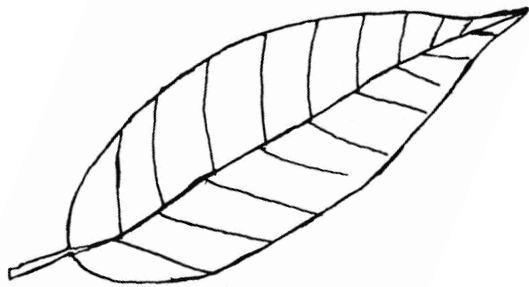
I have large heart-shaped leaves with a lop-sided base. My seeds are attached to a papery wing to help them travel.



### Choke Cherry

I am a shrub! My leaves have a wider section just above the middle. The birds like to eat my red berries.

## Deciduous Trees - with alternate branches and leaves



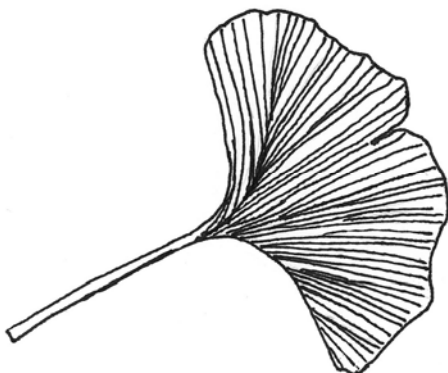
### Black Cherry

My leaves are shiny and dark green with a fine-toothed edge. My bark is black and in flaky squares.



### Hawthorn

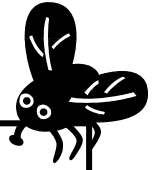
My leaves have a v-shape between the lobes and are sharply-toothed. Don't hug me! I have thorns on my branches.




### Ginkgo

My leaf is fan-shaped with a wavy edge. I am originally from China and hold the record for the oldest fossil from a deciduous tree.

# Deciduous Trees - with alternate branches and leaves



**Weeping Willow**  
I have long narrow leaves and drooping branches that give me a weeping appearance.



**Black Willow**  
I have long narrow leaves that are shiny green above and paler underneath. When I'm older my bark is deeply furrowed.

I never knew trees were so cool!

