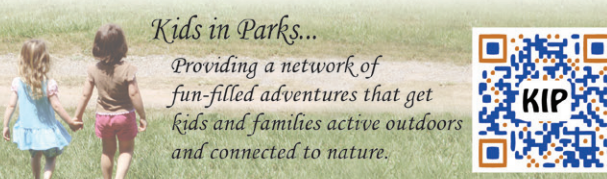
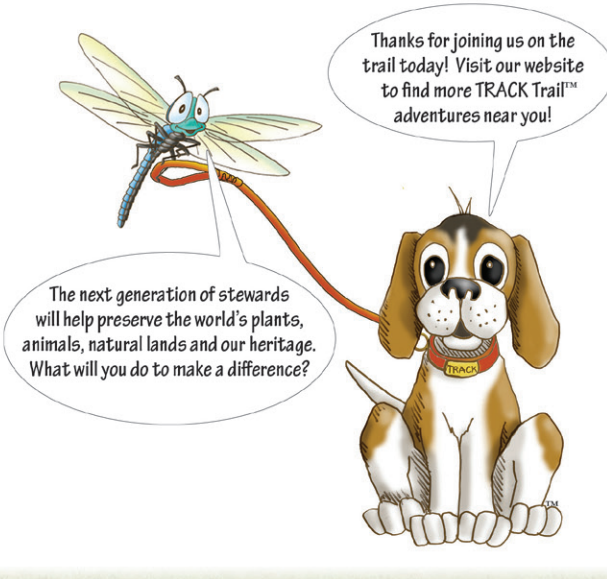


**TRACK** your hike at  
**kidsinparks.com**  
and get **FREE** prizes!



**TRACK TRAIL**  
**KIDS IN PARKS**

# The Need for Trees

Trees are very important to people, animals, insects, fungus, and even other trees. This is because trees provide so many things for people and the forest, including shelter, habitat, food and oxygen. This TRACK Trail Adventure will help you identify six of the most common trees found along this trail.

Use this brochure to identify and learn about trees. For your safety, stay on the trail and be aware of your surroundings. Poison ivy climbs up the trunks of trees too... so if you see a hairy vine don't hug that tree!

### Red Maple (*Acer rubrum*)



Able to grow in almost any soil condition, the red maple is one of the most abundant and widespread trees in eastern North America. With red twigs, buds, flowers, and seeds, it's easy to see how the red maple got its name. Red maple wood is used to make parts of guitars, banjos, drums, and other musical instruments because of its flexibility, sturdiness, and beautiful coloration.

### Yellow Poplar (*Liriodendron tulipifera*)



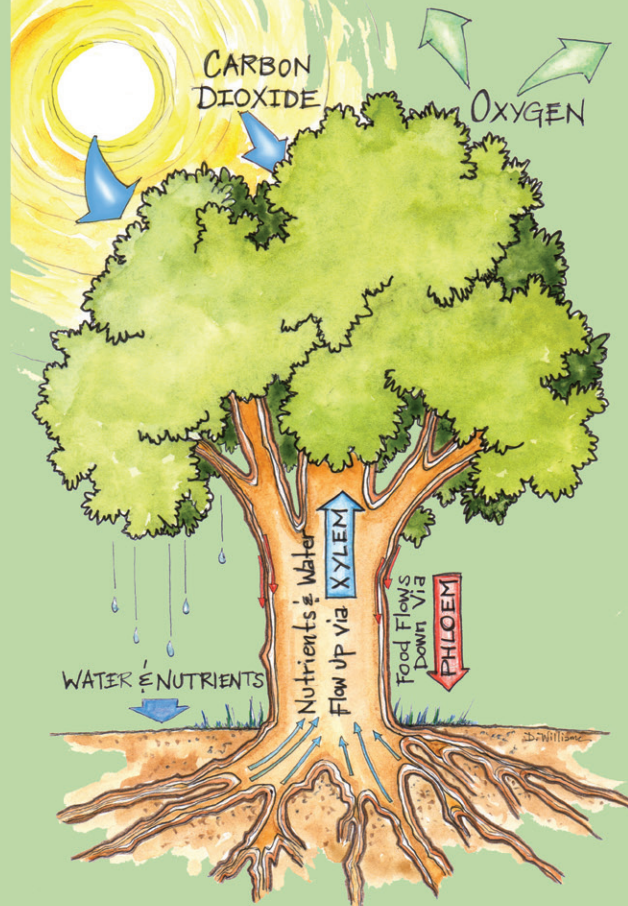
Growing straight and tall with a light gray bark and a large broad leaf that looks like the tip has been bitten off, the yellow poplar is easy to find. Due to its large size and straight growth, this tree provides a lot of useful lumber. Yellow poplar is also a very important tree for honey production. In spring, honeybees collect nectar from the poplar's large and plentiful yellow-orange flowers.

### American Holly (*Ilex opaca*)



As you walk down the trail, look for the sharp, spiny, evergreen leaves of the American holly. It is also known as the Christmas holly because the red fruits appear in winter and are used for Christmas decorations. If eaten, their berries can make people very sick but are a valuable winter food source for deer and a variety of bird species.

## The Need to Know How Trees Grow



Plants and trees have the ability to make their own food in a process known as photosynthesis. They do this by sucking water and nutrients from the soil up through their xylem and into their leaves. The water and nutrients are combined with carbon dioxide and sunlight to make a sugary food called glucose. This food then travels down through the phloem to the rest of the tree, so it can grow.

Illustrations by David Williams, Winging 'it Works

### Sassafras (*Sassafras albidum*)



The sassafras is a small tree that can be easily identified by its three distinct leaf shapes (entire, mitten and three-lobed). Although the soft, brittle wood is of little value commercially, its resistance to rot makes it good for use as fence posts and outdoor furniture. In the past, people used the spicy-scented sap to flavor candy, tea and root beer. Sassafras fruits are a favorite food for many birds.

### Sycamore (*Platanus occidentalis*)



The sycamore is a large, fast growing tree that is easily recognized by its mottled bark, which peels off in large irregular sheets to reveal shades of white, green, yellow, and brown underneath. The sycamore is also known as the buttonwood tree because of its round, pointed fruits (buttonballs). Native Americans used sycamore trees to make a variety of medicines.

### Redbud (*Cercis canadensis*)



Redbud is a small tree that blooms with beautiful pink or reddish-purple flowers in the spring. It is a favorite ornamental plant along roadsides and in gardens throughout the eastern United States. Native Americans used the bark to make medicines for various illnesses. The flowers are an important source of nectar for hummingbirds and honeybees, and the seeds are eaten by birds, deer and squirrels.