



## THE IMPORTANCE OF TREES

**Trees and native plants provide services to our communities!**

### ***Did you know?***

The simple act of planting a tree also helps to keep waterways clean. More native trees and plants in our neighborhoods make our creeks and communities healthier.

### ***Benefits of Trees:***

Trees decrease the impact of heavy rainfall

- By capturing and filtering pollution contained in stormwater runoff
- By capturing and filtering sediment in snowmelt

Trees improve the quality of water

Trees reduce the volume of stormwater runoff

Trees help reduce flooding by intercepting rainfall before it enters creeks and streams

### ***A Science Lesson For Kids To Do At Home:***

It's a fact that a single sugar maple tree with a diameter of 15" retains about 1,400 gallons of stormwater and has an approximate monetary benefit of \$150 annually?

Now, find a tape measure, a camera, and record the following information for some of the trees in your neighborhood:

- Type of trees (Maple, Elm, White Pine, etc..)
- Pictures of the trees
- Diameter, not circumference, of the trees in inches
- Now, go to <http://www.treebenefits.com/calculator/> to figure out the value of your trees

To win a prize, email your results, pictures, and questions you have about trees to Linda Schneider, Education Coordinator for the Medina County Soil & Water Conservation District at: [lschneider@medinaco.org](mailto:lschneider@medinaco.org)