NACD Forestry Educational Resources

The website below will take you to some of the great educational resources that the National Association of Conservation Districts has available online. If you are an educator, we encourage you to implement some of the lessons in your classroom.
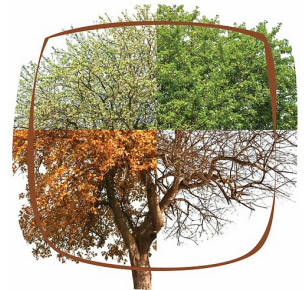**www.nacdnet.org/education/resources/**

Available at this site:

- Grade specific Student Booklets for review
- Educator's Guides
- Links to external resources in the educator guides
- Activities and more.
- Coming soon will be the We all need trees page

Why are trees important?

Trees are essential for the survival of humans and other living organisms. Through photosynthesis, trees convert the Carbon Dioxide (CO_2) that mammals exhale into Oxygen (O_2) that we then breathe in. Although all plants perform photosynthesis, trees convert the most CO_2 to O_2 due to their large size.

DID YOU KNOW?

- 100 trees remove 53 tons of carbon dioxide and 430 pounds of other air pollutants per year.
- One hundred mature trees catch about 139,000 gallons of rainwater per year.

Source: U.S. Forest Service: www.fs.fed.us/learn/trees

National Association of Conservation Districts (NACD) www.nacdnet.org stewardship@nacdnet.org

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Forestry Contest Resources

Visit the websites below when researching information related to your project. Check your local library for more resources on the importance of forests.

The Benefits of Trees:

U.S. Forestry Service
www.fs.fed.us/learn/trees

Grow Trees
http://www.grow-trees.com/why_trees/about_trees.aspx

TreePeople
http://www.treepeople.org/resources/tree-benefits

North Carolina State University
http://www.ncsu.edu/project/treesofstrength/benefits.htm

Earth Share
http://www.earthshare.org/2013/07/treebenefits.html

The Role of Trees in Carbon Sequestration:

Alabama Forestry Commission
http://www.forestry.alabama.gov/carbon_sequestration_faqs.aspx

NY State Dept. of Environmental Conservation
http://www.dec.ny.gov/lands/47481.html

Youth Specific Sites:

EcoKids
http://www.ecokids.ca/pub/eco_info/topics/forests/benefits_of_trees.cfm

eSchool Today
http://www.eschooltoday.com/forests/forest-preservation-tips-for-kids.html

What makes a Tree a Tree:

American Forest Foundation
http://www.forestfoundation.org/family-activities-in-nature

KidZone Science
http://www.kidzone.ws/plants/trees.htm

Connecting Kids to Nature Project Learning Tree
https://www.plt.org/-connecting-kids-to-nature

Discover the Forest
http://www.discovertheforest.org/

ADDITIONAL ITEMS

USDA Forest Service

http://www.fs.usda.gov/main/conservationeducation/materials

For kids
http://www.fs.fed.us/kids/

USDA Agroforestry
http://www.usda.gov/wps/portal/usda/usdahome?contentidonly=true&contentid=agroforestry.html

Tools
Interested in determining what the benefit of urban trees are? Use the i-Tree application to evaluate how the trees around you contribute to carbon sequestration, energy savings, improving air quality and storm water interception.

http://www.fs.usda.gov/ccrc/tools/i-tree

Tree Products
Trees not only provide us with oxygen to breathe, shade on a sunny day, or food products like fruits and nuts, but they are also used to make many of the products we use every day. From paper products to finished furniture, trees have many end uses. It is our responsibility to manage and monitor the number of trees we cut down to make these products. See a list of wood products here:

http://www.idahoforests.org/wood_you.htm