

How Can YOUR School Recognize **ARBOR DAY?**

Plant a Tree!

- ✦ To **plant a tree** on school property, contact Nicole Schwehr, Grounds Forman for BPS, at 355-3625 or nicole_schwehr@bismarckschools.org
- ✦ If you want the Forestry Division to announce your tree planting with our Arbor Day promotions, or if you'd like us to attend your planting, email: comes@bismarcknd.gov



Write
Poems about
ARBOR DAY

**Make Arbor
Day
Posters**



For Classroom **Ideas**
and **Information** visit the
National Arbor Day
Foundation Website:

<http://www.arborday.org/kids/>



Arbor Day Letter

President Theodore Roosevelt

To The School Children of the United States

Arbor Day (which means simply "Tree Day") is now observed in every state in our Union - and mainly in the schools. At various times, from January to December, but chiefly in this month of April, you give a day or part of a day to special exercises and perhaps to actual tree planting, in recognition of the importance of trees to us as a Nation, and of what they yield in adornment, comfort, and useful products to the communities in which you live.

It is well that you should celebrate your Arbor Day thoughtfully, for within your lifetime the Nation's need of trees will become serious. We of an older generation can get along with what we have, though with growing hardship; but in your full manhood and womanhood you will want what nature once so bountifully supplied and man so thoughtlessly destroyed; and because of that want you will reproach us, not for what we have used, but for what we have wasted.

For the nation, as for the man or woman or boy or girl, the road to success is the right use of what we have and the improvement of present opportunity. If you neglect to prepare yourselves now for the duties and responsibilities which will fall upon you later, if you do not learn the things which you will need to know when your school days are over, you will suffer the consequences. So any nation which in its youth lives only for the day, reaps without sowing, and consumes without husbanding, must expect the penalty of the prodigal, whose labor could with difficulty find him the bare means of life.

A people without children would face a hopeless future; a country without trees is almost as hopeless; forests which are so used that they cannot renew themselves will soon vanish, and with them all their benefits. A true forest is not merely a storehouse full of wood, but, as it were, a factory of wood, and at the same time a reservoir of water. When you help to preserve our forests or plant new ones you are acting the part of good citizens. The value of forestry deserves, therefore, to be taught in the schools, which aim to make good citizens of you. If your Arbor Day exercises help you to realize what benefits each one of you receives from the forests, and how by your assistance these benefits may continue, they will serve a good end.

THEODORE ROOSEVELT
White House, April 15, 1907



CELEBRATE ARBOR DAY



- 🌿 FACT: 1st Arbor Day: April 10, 1872 in Nebraska – brainchild of Julius Sterling Morton, a Nebraska journalist and politician (*originally from Michigan*).
- 🌿 FACT: During the 1870s, other states passed legislation to observe Arbor Day, and the tradition began in schools nationwide in 1882.
- 🌿 FACT: *Today the most common date for the state observances is the last Friday in April, and several U.S. presidents have proclaimed a national Arbor Day on that date. But a number of state Arbor Days are at other times to coincide with the best tree planting weather, from January and February in the south to May in the far north.*
- 🌿 FACT: **North Dakota celebrates Arbor Day the first Friday in May.**
- 🌿 FACT: North Dakota first celebrated Arbor Day in 1892. The first official ND Governor's proclamation was signed in 1895 by Governor Roger Allin.

Links for Arbor Day Information and Activities

The Bismarck Forestry Division is not responsible for the content or viability of the sites listed below. This list is intended as a guide for elementary teachers interested in promoting Arbor Day and the benefits of trees in their classroom. Check our website for periodic updates.

www.bismarck.org/forestry

National Arbor Day Foundation – History of Arbor Day:

<http://www.arborday.org/arborday/history.cfm>

Arbor Day Teachers Guide: Themes, Plans, Printouts and More

<http://www.theteachersguide.com/arbordaylessonplans.htm>

Arbor Day Celebrations, Programs, Studies, Songs and More

<http://www.arborday.ca/>

Write a Tree Poem

<http://www.dnr.state.md.us/forests/education/poem.html>

Arbor Day Activities, Games, Poems & Short Stories

<http://www.apples4theteacher.com/holidays/arbor-day/index.html#aboutarborday>

Arbor Day Resources: Crafts, Lessons, Worksheets, Songs and More

<http://www.teacherplanet.com/resource/arbor.php>

Arbor Day Quotes

<http://www.quotegarden.com/arbor-day.html>

Preschool Arbor Day Songs and Music

<http://www.everythingpreschool.com/themes/arborday/songs.htm>

Arbor Day Poems and Songs

<http://www.canteach.ca/elementary/songspoems52.html>

Tree Quotes

<http://www.gardendigest.com/trees.htm>

Urban Nature Benefits: Center for Urban Horticulture, U of Washington, College of Forest Resources

<http://www.cfr.washington.edu/research.envmind/UF/PsychBens-FS1.pdf>

List of State trees:

http://en.wikipedia.org/wiki/List_of_U.S._state_trees

Arbor Day Child Fun Website: Activities, Crafts, Games and More

<http://childfun.com/modules.php?name=News&file=article&sid=24>

The Lorax's Save the Trees game:

<http://www.seussville.com/games/lorax/>

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Fun Forest Facts from the Society of American Foresters

<http://www.safnet.org/aboutforestry/funfacts.cfm>

Fun Facts from the Wisconsin Paper Council

<http://www.wipapercouncil.org/fun2.htm>

Fun Facts from the American Forest and Paper Association

http://www.afandpa.org/Content/NavigationMenu/Pulp_and_Paper/Fun_Facts/Fun_Facts.htm

Games and Puzzles from the Wisconsin Paper Council

<http://www.wipapercouncil.org/games&puzzles.htm>

Woodsy Owl Website – USDA Forest Service

<http://www.symbols.gov/woodsyl/>

“Dragonfly” Trees & Seeds (*Interactive Adventures*)

<http://www.units.muohio.edu/dragonfly/trees/trees.shtml>

Smokey Bear

<http://www.smokeybear.com/>

DID YOU KNOW...?

- ‡ *It takes one 100 foot tall tree to provide the wood and paper products consumed every year by the average American.*
- ‡ *Planting 3 trees around each American house would reduce air conditioning bills 10-50%; saving over \$4 billion each year.*
- ‡ *Trees are nature's "air conditioning units." In one year, an average tree "inhales" 26 pounds of carbon dioxide - the amount of exhaust emitted by an automobile during an 11,300 mile trip - and "exhales" enough oxygen to keep a family of four breathing for a year.*
- ‡ *There are now 230 billion trees in the U.S. If there were only 10 billion more trees, they would absorb almost all of the 3 billion pounds of carbon dioxide that we pump into the atmosphere each year.*
- ‡ *In New York City, the average city tree lives to be only 7 years old.*
- ‡ *Last year, 3 billion trees were planted in the U.S. Yet, if you live in an urban area, you may not have noticed. For every tree planted in an American city, four trees died.*

*TREE FACTS provided by Mount Arbor Nurseries
A division of American Nursery Products, Inc.
400 North Center
PO Box 129
Shenandoah, Iowa 51601*

WHAT WOULD AMERICA DO WITHOUT TOILET PAPER?

- ‡ **In 1986, 239.4 million Americans used an estimated 8.6 billion rolls of toilet tissue. That equates to 36 rolls, or 3/4 of a mile of toilet paper used per person.**
- ‡ **Like most paper products, toilet paper traces its "roots" to the wood from trees. This brings the importance of forestry "home" to almost anybody.**
- ‡ **It takes the equivalent of six trees, 50 feet tall with 10 inch diameters, to produce one ton, or 4,000 rolls of toilet paper.**
- ‡ **To meet the 1986 demand for toilet paper in the United States it would take nearly 390,000 trees with the dimensions listed above.**
- ‡ **Every 4-1/2 years a family of four will require a 50 foot high, 10 inch diameter tree to be cut for toilet paper needs alone. However, it usually takes one tree 30 years or more to reach that size.**
- ‡ **To "spark" your thoughts: what would you use if we ran out of trees for toilet paper?**

(Sources: USDA Forest Service, American Paper Institute, Kimberly Clark and Technical Association of the Pulp & Paper Industry.)

Notable Quotes

From the National Arbor Day Foundation
100 Arbor Avenue, Nebraska City, Nebraska 68410

To exist as a nation, to prosper as a state, and to live as a people, we must have trees.

~ Theodore Roosevelt

Entrances stamp the community in the minds of visitors in a lasting memory. Cheers to all who promote and preserve our heritage of natural beauty.

~ Lady Bird Johnson

I am particularly fond of the little groves of oak trees. I love to look at them, because they endure the wintery storm and the summer's heat and - not unlike ourselves - seem to flourish by them.

**~ Tatanka Iyotaka (Sitting Bull)
Hunkpapa Sioux Leader and Medicine Man**

In 1913, North Dakota Governor Louis Hanna wrote an article in the National Journal of Forestry stating:

"...feel that we should do all that may be within our power to encourage our farmers... to plant shrubs, different kinds of berries and fruits... and to plant north and west and perhaps on the other sides of their buildings groves of trees".

ONE CORD OF WOOD YIELDS:

7,500,000 toothpicks

or

942 one-pound books

or

4,000 milk cartons

or

4,384,000 commemorative sized postage stamps

or

460,000 personal checks

or

1,200 copies of National Geographic magazine

or

12 dining room tables that seat 8

One cord of wood (128 cubic feet) is a pile 4'x4'x8'

The Value of a Tree

Over a 50 year lifetime, one tree generates:

⌒ **\$31,250 worth of oxygen**

⌒ **Provides \$62,000 worth of air pollution control**

⌒ **Recycles \$37,500 worth of water**

⌒ **Controls \$31,250 worth of soil erosion**

(Facts from Michigan State University)



One day a very old man left his house early in the morning and returned several hours later with a sapling. The sapling was half as tall as you are and as thin as a wooden pencil. The old man began planting it at the roadside in front of his house. He worked slowly because he was old and because he enjoyed the work. As he planted, a neighbor came by and looked at the tiny sapling.

“Why, you silly old man,” the neighbor laughed, “you’re wasting your time planting such a small sapling! You’ll be gone before it grows large enough to fill this space with beauty and shade.”

“You are correct,” the old man calmly replied as he continued planting. “But, I am not planting this tree for myself. All my life I have had fine trees to look at and walk under because when I was young, old people planted trees. Now, I plant trees - for those to come!”

From: “What’s A Tree To Me?”, a special Urban Tree Project funded by the International Paper Company Foundation.

Children's Books About Trees and/or Arbor Day

The City of Bismarck and the Bismarck Forestry Division make no claims concerning, nor bear responsibility for, the content or availability of books listed.

| TITLE | AUTHOR |
|---|---|
| A GRAND OLD TREE | MARY NEWELL DEPALMA |
| A TREE IS NICE | JANICE MAY UDRY |
| ACORN AND THE OAK TREE | LORI FROEB |
| BE A FRIEND OF TREES | PATRICIA LAUBER |
| DRAW 50 FLOWERS, TREES AND OTHER PLANTS | LEE J. AMES WITH P. LEE AMES |
| GIVING TREE | SHEL SILVERSTEIN |
| HOW DO APPLES GROW? | BETSY MAESTRO |
| I CAN NAME 50 TREES TODAY!: ALL ABOUT TREES | BONNIE WORTH, JOE MATHIEU |
| JOHNNY APPLESEED | PATRICIA BRENNAN DEMUTH, MICHAEL MONTGOMERY |
| LORAX | DR. SEUSS |
| MEETING TREES | SCOTT RUSSELL SANDERS |
| OUR TREE NAMED STEVE | ALAN ZWEIBEL |
| SEASONS OF ARNOLD'S APPLE TREE | GAIL GIBBONS |
| SKY TREE: SEEING SCIENCE THROUGH ART | THOMAS LOCKER, CANDACE CHRISTIANSEN |
| SONG OF THE TREES | MILDRED D. TAYLOR |

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| TITLE | AUTHOR |
|---|---|
| STRANGER IN THE WOODS: A PHOTOGRAPHIC FANTASY | <i>CARL R. SAMS, JEAN STOICK</i> |
| TELL ME, TREE: ALL ABOUT TREES FOR KIDS | <i>GAIL GIBBONS</i> |
| THE MAN WHO PLANTED TREES | <i>JEAN GIONO</i> |
| WHAT GOOD IS A TREE? | <i>LARRY DANE BRIMNER</i> |
| WHY DO LEAVES CHANGE COLOR? | <i>BETSY MAESTRO</i> |
| ARBOR DAY BIBLIOGRAPHY WEBSITE: | http://estabrook.ci.lexington.ma.us/Library/April/ArborDay.html |