

Local Heroes Your Hardworking Pollinators

Pollinator Resources



The National Association of Conservation Districts (NACD) in collaboration with the NACD Auxiliary sponsors a yearly poster contest. You must participate with your local conservation district they will send the winning entries to their state contest. State winners are then judged at the national level. These resources are also used for local & state essay and speech contests. Visit <http://www.nacdnet.org/about/districts/directory> to find your local conservation district. NACD education pages: <http://www.nacdnet.org/education/resources> NACD Poster Contest: <http://www.nacdnet.org/education/contests>

Resources for poster, essay, speech contests or other pollinator projects

Visit these website links for information for your project. Most of these links will have additional pollinator resource links. This is only a small sample. There are many more resources. Check you local library.

Pollinator Partnership

What is a pollination/pollinator?

Why are pollinators important to us?

Types of pollinators

<http://www.pollinator.org/Resources/What%20is%20a%20pollinator.pdf>

Xerces Society

Pollinator Conservation: <http://www.xerces.org/pollinator-conservation/>

Fact Sheets: <http://www.xerces.org/fact-sheets/>

Pollinators and their importance to you.

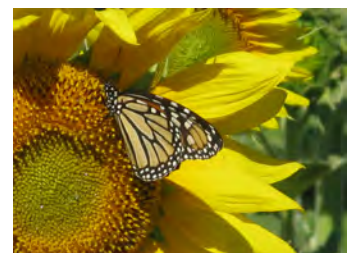
In researching about pollinators you will find a variety of opinions from a variety of sources. Pollinators are important to each citizen. There are many reasons for pollinator decline. We hope that you focus on solutions to increase pollinators and their habitats. Providing accurate information is essential. Find out what pollinators are in your area and see what your community is doing to help them.

Photo by Henning, OK

DID YOU KNOW??

- Worldwide, approximately 1,000 plants grown for food, beverages, fibers, spices, and medicines need to be pollinated by animals in order to produce the goods on which we depend.
- In the United States, pollination by honeybees and other insects produces \$40 billion worth of products annually!

Source: Pollinator Partnership www.pollinator.org



Eco-regional Pollinator Planting Guides



Great resource to learn about your area and what is best to plant for pollinators.

Pollinator Partnership

<http://www.pollinator.org/guides.htm>

The Power of Pollinators

3 downloadable PowerPoint's and additional resources

1) Why Pollinators Matter



2) Bee Biology & ID



3) Gardening for Pollinators

http://ocvn.osu.edu/sites/d6-ocvn.web/files/sites/drupal-ocvn.web/files/PoP_flier_final_version.pdf



Photo by Crouch, UT

Butterfly Conservation:
<http://www.xerces.org/butterfly-conservation/>

Crop Life
<http://www.croplifeamerica.org/pesticide-issues/protecting-our-pollinators>

America's Heartland
<http://www.americasheartland.org/pollinators/index.htm>

Ohio State University Bee Lab
<http://osu.campusguides.com/agnic-bees-pollination>

Research
<http://www.pollinator.org/research.htm>

Pollinator Live Lesson Plans and Resources
<http://pollinatorlive.pwnet.org/teacher/lessons.php>

Citizen Science Sites
<http://www.xerces.org/educational-resources/#citizen>

Plants and Animals – Partners in Pollination

And 4 lesson plans

http://www.smithsonianeducation.org/educators/lesson_plans/partners_in_pollination/lesson_2_main.html

EPA's Pollinator Information
<http://www2.epa.gov/pollinator-protection>

USDA NRCS Pollinators and Plants
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/plants/animals/pollinate/>

USDA Forest Service Pollinator Resources
<http://www.fs.fed.us/wildflowers/pollinators/>

Bee Friendly Certification for Farmers and Gardeners
<http://pfspsbees.org/bee-friendly-farming/certification>

Bats Are Pollinators, Too; Bat Conservation International
<http://batcon.org/pdfs/stories/PollinatorBrochure2010Web.pdf>



**“Good guy”
pollinator masks!**

[Http://kidsgrowingstrong.org/print/masks](http://kidsgrowingstrong.org/print/masks)

Great site for a butterfly, bee, bat and hummingbird mask.

Be a good guy and a pollinator! Will help them understand that lots of critters can be pollinators!



**Pollinators - Putting Food on
the Table on
Vimeo movie**

<https://vimeo.com/39219616>

**BEE DETECTIVE – WHO IS
BEHIND DECLINING BEE
POPULATIONS?**

<https://www.natureworkseverywhere.org/#resources/527be724c4b7765f18581cb6>

Billy B – songs about bees

1. Shake Their Butt and dance
2. BeeBarf

Lyrics:

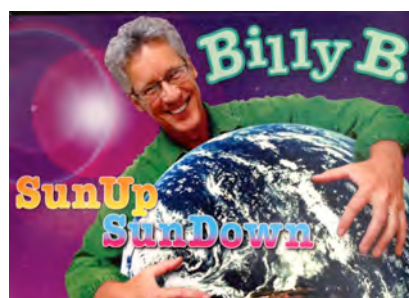
<http://billybproductions.com/lyrics/>

CD: Sun Up Sun Down -

<http://billybproductions.com/cd-sun-up-sun-down/>

iTunes:

<https://itunes.apple.com/us/album/sun-up-sun-down/id287793908>



NACD Education Materials
Local Heroes Your Hardworking
Pollinators



Student booklets
Level 1—Grade K-1
Level 2—Grade 2-3
Level 3—Grade 4-5
Level 4—Grade 6 and up

Posters
Banners
Bookmark
Activity Sheet/Placemat
Educators Guide –PDF only
Education CD with PowerPoint's
for each booklets and more

www.nacdstore.org (to order)

www.nacdnet.org/education
(resource pages for pollinator and other
NACD education materials)

FUN FACTS!!!

- Foods and beverages produced with the help of pollinators include: apples, bananas, blueberries, chocolate, coffee, melons, peaches, potatoes, pumpkins, vanilla, almonds, and tequila. (Imagine a world without of these things!)
- In the United States, pollination by honeybees and other insects produces \$40 billion worth of products annually!



BUSY BEES!

<http://fisforfirstgrade.blogspot.com/2011/09/weve-been-busy-bees.html>

a) It really helps the kids understand and remember what pollination is all about

b) It's a way to get in some fun artsy-craftsy time and we call it "science"

c) They're so darn cute buzzing around to each flower

So here's what we do:

1. Each child decorates a flower (pomping style with tissue paper, does anyone still use the word "pomping" or even know what I mean?).

2. Then they each make a bumble bee, glue it on a popsicle stick, and glue a cotton ball on the underside of the bee so there will be something for the "pollen" to stick to.

3. Glue a cupcake liner to the middle of the flower and put a spoonful of "pollen" (yellow cake mix, lemon is good too) in the cup.

4. Have the kids dip their bees in the pollen and then fly around and pollinate all the other flowers in the room.

Additional information on web link above.



More Pollination Fun!!! <http://teach-from-the-heart.blogspot.com/2012/03/flashback-to-fourth-pollination.html>



<http://aroundthekampfire.blogspot.com/2014/04/poetry-and-painting-and-butterflies-oh.html>

This link has another fun and education way to teach kids about pollinators and how they help pollinate plants.

*Special thanks to Debra Ruff
– Livingston County SWCD, IL
for the fun activities on page*

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Pollinator Photos
USDA Forest Service:

<http://www.fs.fed.us/wildflowers/photos.shtml>

Pollinator PowerPoint – The birds and the bees and the beetles

www.fws.gov/pollinators/ppt/PollinatorWakfinalFeb2010print.ppt