



Bees, Bugs & Butterflies

TAKE ACTION GUIDE

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TAKE ACTION!

Eco-Friendly Ways to Keep Bugs Away and Protect and Save Bees & Butterflies

Eco-Friendly Ways to Bug Proof Your Home:

Garlic, Cinnamon and Cayenne Pepper Powder: You can purchase bottles of garlic, cinnamon and pepper powder at the dollar store or get some huge bottles from a warehouse store for a few dollars. Sprinkle heavily around the foundation of your home every month to create a bug-proof barrier around your home. by [Krissy Schwab](#) on May 13, 2013

Eco-Friendly Garden Spray:

Another common homemade herbicide recipe calls for combining table salt or rock salt with white vinegar (1 cup salt to 1 gallon vinegar), and then spraying this mixture on the foliage of weed plants. Adding liquid soap is said to help the efficacy of this weedkiller, as is the addition of certain oils, such as citrus or clove oil.

Homemade Bug Spray Instructions:

<http://wellnessmama.com/2565/homemade-bug-spray/>

1. Fill spray bottle (I used 8 ounce) 1/2 full with distilled or boiled water.
2. Add witch hazel to fill almost to the top.
3. Add 1/2 tsp vegetable glycerin (optional)
4. Add 30-50 drops of essential oils to desired scent. The more oils you use, the stronger the spray will be.

OR

Vinegar, Herbs and Water : Not only is it a great cleaner, it also keeps bugs at bay. Grab a large spray bottle and fill half of it with white or apple cider vinegar. Next add any or all of these herbs: mint, lavender, catnip, sage or thyme. Top it off with some water, shake well.

OR CHOOSE FROM:

Wellness Mama: <http://wellnessmama.com/2565/homemade-bug-spray/>

- Tell an Adult in your home to Buy Organic Fruits and Vegetables and avoid pesticides!



CLASSROOM - COMMUNITY ACTION ASSIGNMENT (CCAA) GUIDELINES

Objective:

Classroom-Community Action Assignments (CCAA) are designed to empower kids to take positive action for animals, people and the planet, while connecting them to their school and community.

Goal:

For kids to extend their reach into their community by teaching and inspiring others to take positive action for animals, people & the planet!

Suggested Classroom-Community Action Assignments:

- Create a **Bee & Butterfly Garden**
- **Make Window Decals & Bird Feeders**
- Make **Eco-Friendly Seed Packets** to distribute
- Make **Eco-Friendly Bug Repellent & Weed Killer**
- Start a **Recycle Program** at home or school
- **Build Bird, Bat & Bee Houses**

Five Steps for Teachers, Educators, Parents

1. Have kids choose a CCAA
2. **Apply** for your Roots & Shoots Mini Grant: [Click Here](#)
3. List **Materials you need to purchase** or have donated to make the CCAA successful
4. **Purchase and/or Collect Materials** needed for the CCAA
5. Have kids **share their knowledge and CCAA** at Community Events or virtually

Your CCAA: _____

Ask Kids the following Questions: (they can write answers in their journals or answer aloud).

What is our Goal for this CCA?

Why is this Goal Important?

Who or What can benefit from this goal being achieved?

List Positive Action Steps to Achieve Goal:

1.) _____

2.) _____

3.) _____

4.) _____

5.) _____

6.) _____

7.) _____

Today's Goal:

Classroom - Community Action Assignments (CCAA)

Words “students” and “kids” are interchangeable.

CCAA: Plan fundraiser to Adopt Species and/or Donate

A fundraiser is a great way for your students to become actively involved in not only educating their school about the issues facing parrots and backyard birds, but their families and communities as well! A fundraiser can raise money for certain organizations that improve and protect the lives of animals, people and the planet!

Suggested organizations:

- 1.) Defenders of Wildlife: <http://www.defenders.org> * virtual adoption option
- 2.) World Wildlife Fund: <https://www.worldwildlife.org> * virtual adoption option
- 3.) Environmental Defense Fund: <https://www.edf.org>

*Virtual adoption option: With the money raised via the fundraiser, students can virtually “adopt” a species from Defenders of Wildlife or World Wildlife Fund.

Students will receive a Certificate of Adoption, including class name, to hang in the classroom and a plush toy of species they have adopted. Proceeds from virtual adoptions directly help the organizations to help more animals, more people and the planet!

- **STEP ONE: Choose an Organization & Choose amount of money needed to be raised to virtually adopted the selected species (usually \$35-\$55 is needed)**
- **STEP TWO: Set a Date** for the Fundraiser and Find a **Venue**
- **STEP THREE: Determine** what will be sold (i.e. all-natural insect repellent, reusable bags made from t-shirt, reusable water bottles, nutritious baked goods) and list supplies needed.
- **STEP FOUR: Create Flyers** to Advertise Fundraiser
- **STEP FIVE: Select 2-4 students to make an announcement** and/or **give a brief presentation** during lunch or in the auditorium about why the class is hosting a fundraiser and when the fundraiser is scheduled.
- **STEP SIX: Prepare goods** that will be sold (i.e. make reusable t-shirt bags, etc.) and **Set Up** (i.e. do you need a table, chairs, a sign, \$1 bills to make change, a tablet and money box, to keep track of money raised)
- **STEP SEVEN: Host the Fundraiser (remember to take pictures and video!)**
- **STEP EIGHT: Collectively count the money raised** and **send donation** to the chosen Organization with a **class letter/note**. *If virtually adopting a species, fill out the virtual adoption form with the class or school name for the adoption certificate

- **STEP NINE: Write an article for the local newspaper or school newsletter** about the fundraiser. **Include** how much money was raised, the organization receiving the donation and the reason the class chose the organization and/or the “adopted species.”
- **STEP TEN: Celebrate** when you receive the virtual adoption certificate and/or hear from the organization!

CCAA: Make all-natural bug repellent

Needed: White or Apple Cider Vinegar, Herbs and Water & small spray bottles.

Not only is it a great cleaner, it also keeps bugs at bay.

1. Grab a small spray bottle and fill ½ with white or apple cider vinegar.
2. Next add any or all of these herbs: mint, lavender, catnip, sage or thyme.
3. Top it off with some water and shake well.

OR CHOOSE FROM:

Wellness Mama: <http://wellnessmama.com/2565/homemade-bug-spray/>

CCAA: Write a Letter or Petition ~ Save the Bees! (Language Arts)

- Use the Letter and Petition Samples on pages 11 and 12. Review contacts on p. 13 or research places to send letters and petitions.
- Have kids create a mailing envelope for the petition with proper postage
- Contact numbers and addresses for letters and petitions: p. 13

OPTIONAL: Have kids create a short speech about bees, bugs and butterflies, based on what they’ve learned, to share with neighboring classrooms or the community. At the end of the speech, kids can distribute the petition(s) for signatures.

CCAA: Create Flyers about harmful pesticides and alternatives

Using the Flyer Template provided, make copies for students to color. Or, using the Flyer Template as a guide, have students create their own flyers! Distribute flyers during lunch, from classroom to classroom, on the bus and throughout your community! **Suggestions:** Hang flyers in grocery stores, libraries, gyms, the vet’s office, shops, etc. Appoint certain students with the task of distributing the flyers to suggested locations. **Optional:** Using a cell phone have the class collectively call the local grocery store, library, vet’s office, etc., and ask to speak with the manager. Have them explain they are learning how to save and protect bees, bugs and butterflies, and have them ask if they can hang a flyer at the location.

CCAA: Ecosystem Mural

Give your students the opportunity to create a “living” 3D ecosystem mural, which can line the hallway near their classroom(s). Murals can be created in sections and can reflect whatever type of ecosystem the students choose to draw or paint. The ecosystem will include certain animals. This assignment can be done from memory, testing the students memory skills based on the bees, bugs and butterflies unit about ecosystems and habitat! Students can create a 3D mural by adding glitter, “animals” created on paper cups and plates, layers of “water” and sand. The possibilities are endless and depend on time and resources. They can write, on the mural, new vocabulary words they’ve learned and short phrases and facts about bees, bugs and butterflies. *Just remember to use sustainable materials for the mural! (i.e. no styrofoam cups, egg containers, plastic etc.)

CCAA: Plant Bee & Butterfly Friendly Garden

Have students research bee and butterfly friendly flowers. Host a fundraiser to purchase these flowers or call local garden supply stores and ask if they will donate flowers! Scout out a good location for the garden, with your students, and pick a date to plant the garden. *Note: if purchasing seeds, please make sure they are neonic free. Make sure to make a school wide announcement about the garden. Have students host a lunchtime assembly to educate their peers about the specific flowers in the garden and how they help bees and butterflies. Book a “Garden Tour.” Pick a date(s) and have students host garden tours, where they explain the need to save and protect bees and butterflies and the many flowers that will attract these amazing pollinators! You can make this CCAA as big as you like! For the garden tour, you can have students write a notice for the school newsletter and/or local paper with the date, time and location of the tour. Students can take turns speaking to the attendees about the flowers and what they’ve done to help save and protect bees and butterflies!

CCAA: Begin a Campaign for Change : Discourage, replace or discontinue the use of pesticides, insecticides and herbicides in/around the school, school system or city.

Have students research and document the use of pesticides, herbicides and/or insecticides used at the school or within the school system or community! Have students research and document how all toxic pesticides impact bees, bugs and

butterflies. (i.e. certain pesticides called neonics are killing millions of bees). Students can suggest alternatives to toxic pesticides via research and documentation (i.e. replace toxic pesticides with all-natural alternatives like using **Garlic, Cinnamon and Cayenne Pepper Powder around the school's foundation (and homes) to keep "bugs away."** Have students create flyers about ending the use of toxic pesticides at the school, within the school system and/or community and replacing them with sustainable all-natural options. Students can write articles for the school newsletter, local paper and to the principal and superintendent stating their case. They can also schedule appointments with the principal and superintendent to meet and state their case. They can schedule a school assembly to state their case and start a school-wide petition to end the use of toxic pesticides and present it to the principal and superintendent.

CCAA: Call, write or visit local garden supply stores and ask them to carry supplies and plants that are eco-friendly.

Have students research local garden supply stores in their area. Have students call and/or write to the garden supply store and ask them to carry only environmentally-friendly products to save bees and butterflies. Students can express their concerns about toxic pesticides and relate what they have learned about bees and butterflies pollinating flowers to the garden supply store during their call or in their letter. Encourage students to get their friends and family involved in calling or writing to the stores. Students can even start a friendly petition asking the supply stores to discontinue the sale of toxic pesticides and replacing them with eco-friendly products. For students in Ashtabula, Ohio and the surrounding area, a list of garden supply stores is included in this manual to get you started!

CCAA: Write an article for local newspaper and/or school newsletter about toxic pesticides and eco-friendly products.

Students can write and submit articles for the school newsletter or local paper about the negative impacts of toxic pesticides and begin a call to action for the community to replace toxic pesticides with safe, natural alternatives! Students can call the local newspaper and request an interview. Remember to have students state they are "kids for positive change."



CCAA: Create a blog post for the Kids for Positive Change website!

Let's get technical! Students love technology and it is a wonderful way to link students in your classroom to students across the country and across the globe! Have students create a blog post for the Kids for Positive website. Remember to include some pictures. Blog content and pictures can be emailed to KPC@camillelicate.com

CCAA: Let's Skype! (or implement "old fashioned" pen pals)

Connecting students across the country and across the world is a big part of the Kids for Positive Change platform! The goal, kids inspiring other kids to take positive action for people, animals and the planet! Contact Camille if your students would like to participate in this very special Classroom-Community Action Assignment!

KPC@camillelicate.com

CCAA: Write and deliver a speech or speeches to other classes, or the school, about bees, bugs and butterflies. Take it outdoors! Deliver the speech outside! Following the speech take a walk and look for bees and butterflies!

Let your students' voices be heard! Have groups of students (i.e. your Think Tank Teams) or individual students write and deliver a speech about bees, bugs and butterflies, based on what they've learned, to share with neighboring classrooms or the school. Make sure to include what issues the bees and butterflies are facing and how the student(s), the school and community can create positive change and take steps for a brighter future!

SUGGESTION: At the end of the speech, your students can distribute petition(s) and/or postcards, addressed to select corporations and government officials, for participants to sign.



CCAA: Write a letter to the President and/or Government Officials

Have students write individual letters to the President and/or Government Officials about current issue facing bees, bugs and butterflies

White House

The White House
1600 Pennsylvania Avenue NW
Washington, DC 20500

*Please include your return address on your letter as well as your envelope. If you have an email address, please consider including that as well.

For a Complete List of Government and State Agencies and Officials Visit:

www.usa.gov

CCAA: Sign up for email alerts from the following organizations to stay current on issues. (online petitions are available here as well)

- National Wildlife Federation: <http://nwf.org>
- Defenders of Wildlife: <http://www.defenders.org>
- Environment New York: <http://environmentnewyork.org>
- World Wildlife Fund: <http://worldwildlife.org>
- Greenpeace: <http://www.greenpeace.org/usa/>



Research Local Garden Supply Stores:

Kelly's Garden and Landscape

Address: 4220 N Ridge Rd W, Ashtabula, OH 44004

Phone:(440) 536-9515

www.kellysgardens.com

Klyn Nurseries Inc.

3322 S Ridge Rd, Perry, OH 44081

Local: 440-259-3811

<http://www.klynnurseries.com>

Middle Ridge Gardens

6559 Middle Ridge Road

Madison, Ohio 44057

phone: 440-428-3857

<http://middleridgegardens.com>

LOWE'S Home Improvement (ask for Garden Center)

Address: 2416 Dillon Dr.

Ashtabula, OH 44004

Phone:(440) 998-6555

Sabo's Woodside Nursery, Inc

Address: 7800 N Ridge Rd

Madison, OH 44057

Phone: (440) 466-9523

<http://www.sabosnursery.com>

WRITE A LETTER or START A PETITION

www.KidsforPositiveChange.com

Kids for Positive Change © 2017



Writing a letter or starting a petition is a powerful way to create positive change!
Let your voice be heard! Keep it positive!

SAMPLE LETTER:

Student Name
School Name
School Address
Ashtabula, Ohio 44004

Date: Month/Day/Year

Senator Michael A. Rulli
Senate Building
1 Capitol Square
Ground Floor
Columbus, OH 43215

Dear Senator Rulli,

My name is FIRST NAME / LAST NAME. I am a 4th/5th/6th grade student at SCHOOL NAME in city, state. I am a kid for positive change!

I have studied how single-use plastic harms the environment and animals. I understand the Ohio House recently passed Bill 242 which bans communities in Ohio from taxing or banning plastic bags and other single-use items plastic items. I understand you are sponsoring a similar bill, Bill 222, in the Ohio Senate.

I think this is wrong / right. I support Bill 222 / I do not support Bill 222.

Single use plastic bags and other plastic are _____

We need to protect Lake Erie and Ohio's wildlife! This includes banning single use plastic bags and other plastic products.

Please share my message with Cosponsors of Bill 222, Senators, Andrew O. Brenner, Frank Hoagland, Matt Hoagland, Matt Huffman, Kristina Roegner and Tim Schaffer.

Sincerely,

Cursive Signature

Print Name



SAMPLE PETITION:

Petition for Positive Change

YOUR TEAM LOGO HERE

Name:

Address:

City, State and Zip Code:

Date:

Dear _____,

I am a Kid for positive change! I am writing to you today to ask you to please protect and save (insert species name(s) - Example: Bees

Bees are very important to our environment and our food source! Without bees, we wouldn't have foods like strawberries, oranges, almonds and chocolate!. We must save the bees. Now is the time to take positive action. Thank you!

Sincerely,

Kids for Positive Change: SIGN YOUR NAME and GET FAMILY AND FRIENDS TO SIGN TOO!

Applicable Contact Numbers & Addresses for letters and petitions:

1.) Visit **Environment New York** to sign Online petitions and get up-to-date news about how you can help save bees and butterflies :

http://environmentnewyork.org/programs/nye/no-bees-no-food?_ga=1.240024768.297009286.1468795832

2.) **Environmental Protection Agency** : www.epa.gov

Environmental Protection Agency
1200 Pennsylvania Avenue, N.W., 2810A
Washington, DC 20460

Call: (202) 272-0167

Region 5 (IL, IN, MI, MN, OH, WI)

<https://www.epa.gov/aboutepa/mailing-addresses-and-phone-numbers#HQ>

EPA New York: <https://www.epa.gov/ny>

Environmental Protection Agency

77 West Jackson Boulevard
Chicago, IL 60604-3507
Phone: (312) 353-2000
Fax: (312) 353-4135
Toll free within Region 5: (800) 621-8431

3.) **White House**

The White House
1600 Pennsylvania Avenue NW
Washington, DC 20500

*Please include your return address on your letter as well as your envelope. If you have an email address, please consider including that as well.

Call the President: 202-456-1111 (comments) and 202-456-1414 (switchboard)

True and False Quiz

Have a friend or adult read each question aloud. Answer, True or False.

- 1.) Insects have been living on earth for over 400 million years. Answer: True
- 2.) Entomologists study birds. Answer: False. They study insects.
- 3.) The most deadly animal on earth is a shark. Answer: False The Mosquito
- 4.) Honey Bees are responsible for producing 1/3 of our food supply. Answer: True
- 5.) The Arctic Woolly Bear Caterpillar will hibernate and thaw 7 times before turning into a butterfly. Answer: True
- 6.) Pesticides and Herbicides, like Roundup, are toxic to bees, butterflies, cats, dogs and humans. Answer: True
- 7.) Some bees are now endangered because of toxic pesticides and herbicides. Answer: True
- 8.) Wasps will die after they sting. Answer: False. Honey Bees will die.
- 9.) Metamorphosis is a process some animals go through to become adults. Answer: True
- 10.) Bees have smooth bodies and wasps have furry bodies. Answer: False. Bees are furry, Wasps are smooth.
- 11.) If a second grader was as strong as an ant, she could pick up a car. Answer: True.
- 12.) Ticks are parasites that feed on the blood of their host (human or animal). Answer: True
- 13.) All centipedes have 100 legs. Answer: False. Centipedes have a pair a legs per body segment
- 14.) A cockroach can live one week without its head. Answer: True
- 15.) The butterfly uses its proboscis to drink nectar from flowers. Answer: True
- 16.) All spiders produce silk and spin webs. Answer: False Some spiders do not produce silk and live underground, under leaves, on trees and underwater!
- 17.) A spider's blood is light orange. Answer: False It is Light Blue
- 18.) A western black widow has a red hourglass shape on its abdomen. Answer: True
- 19.) A Wolf Spider carries its babies on its back. Answer: True
- 20.) Spiders have compound eyes like all insects. Answer: False Spiders can have up to 8 eyes, all with single lenses and some see in color!

Journal Reflection Questions:

Supplies Needed:

Loose leaf paper or notebook and pen/pencil

Directions: Choose 5 questions to answer. Write answers on paper or in a notebook.

Share answers with friends and family!

What did you like about the Kids for Positive Change Presentation on (fill in species name)?

How did it make you feel when you learned many (fill in species name) are endangered?

How can you make a positive difference for (fill in species name)?

Who or what inspires you to make a positive difference for (fill in species name)?

If you had a super power to save (fill in species name), what would it be?

How can you share your knowledge to help save and protect (fill in species name)?

What do you think about pollution and trash in our lakes, rivers and oceans? How can you help?

What do you think about deforestation? How can you help?

Think of one word to describe how you would feel if all animals were safe and protected.

Use your words in a sentence, describing how you would feel if all animals were safe and protected.

If you could be one animal, what would it be and why?

If you could have one animal adaptation, what would it be and why? (Example: You have wings and can fly like a bird. You could use your wings to fly to school instead of taking the bus).

How would you like to help animals and the planet in the future? (Example: Become a zoologist, wildlife rehabber or biologist)

ADD MORE REFLECTION QUESTIONS HERE: