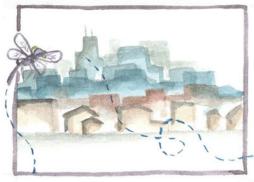
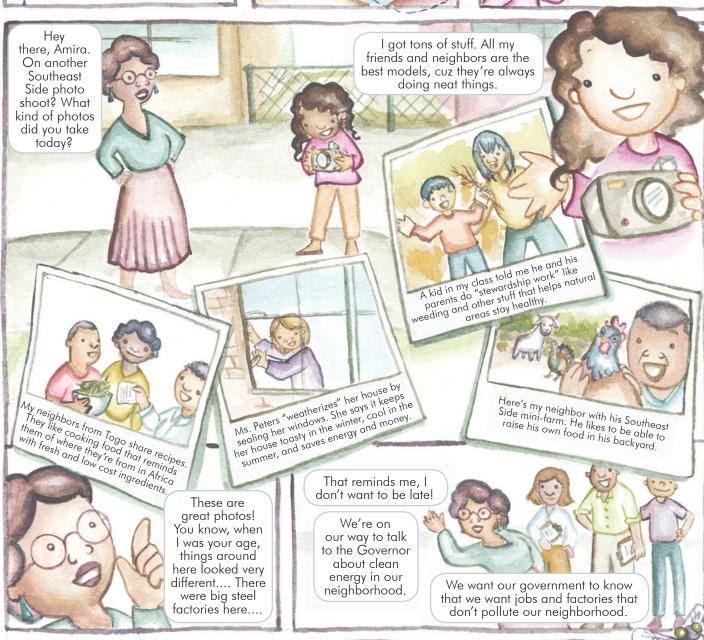


Somewhere on the Southeast Side











My neighbors are doing a lot to make the Southeast Side a better place to live.

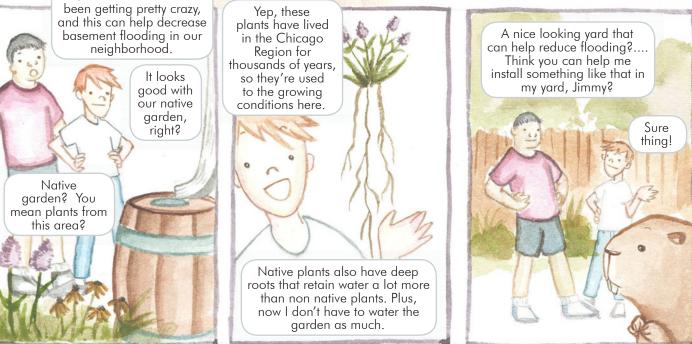




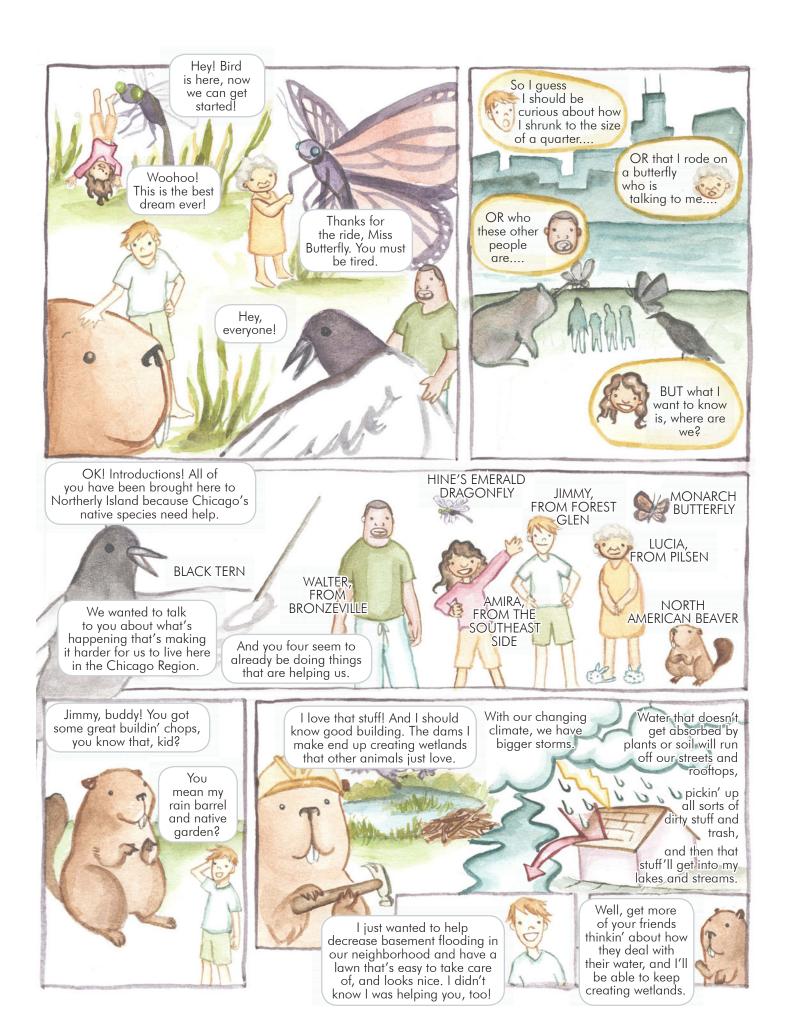


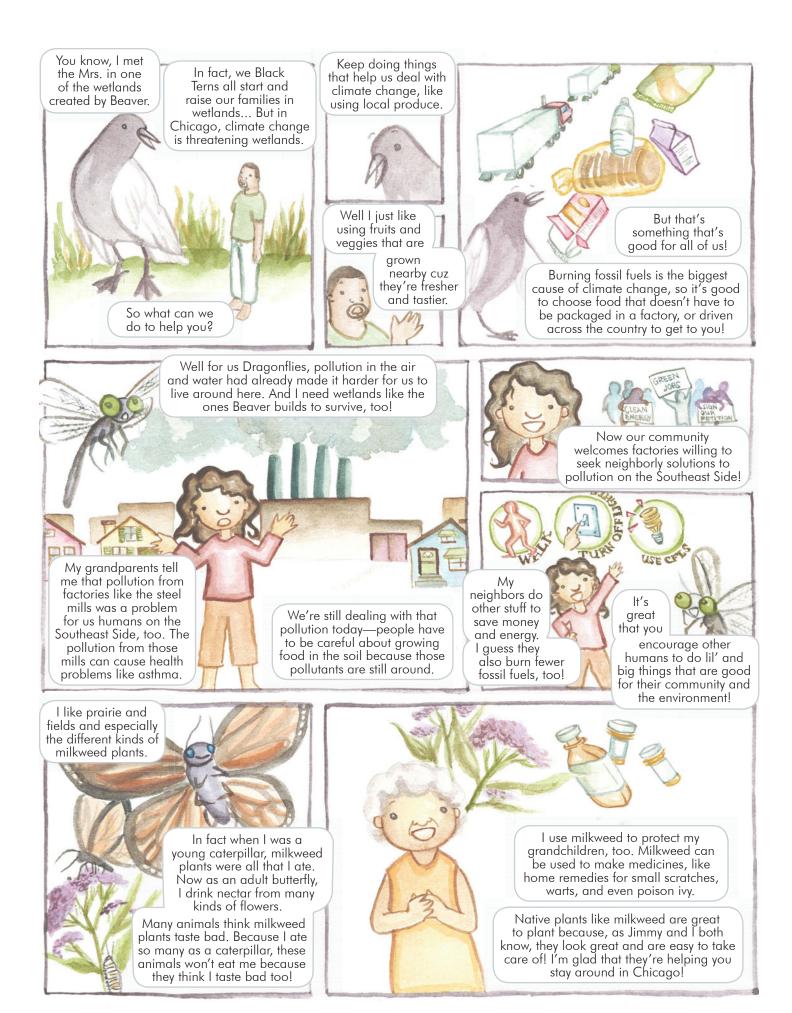


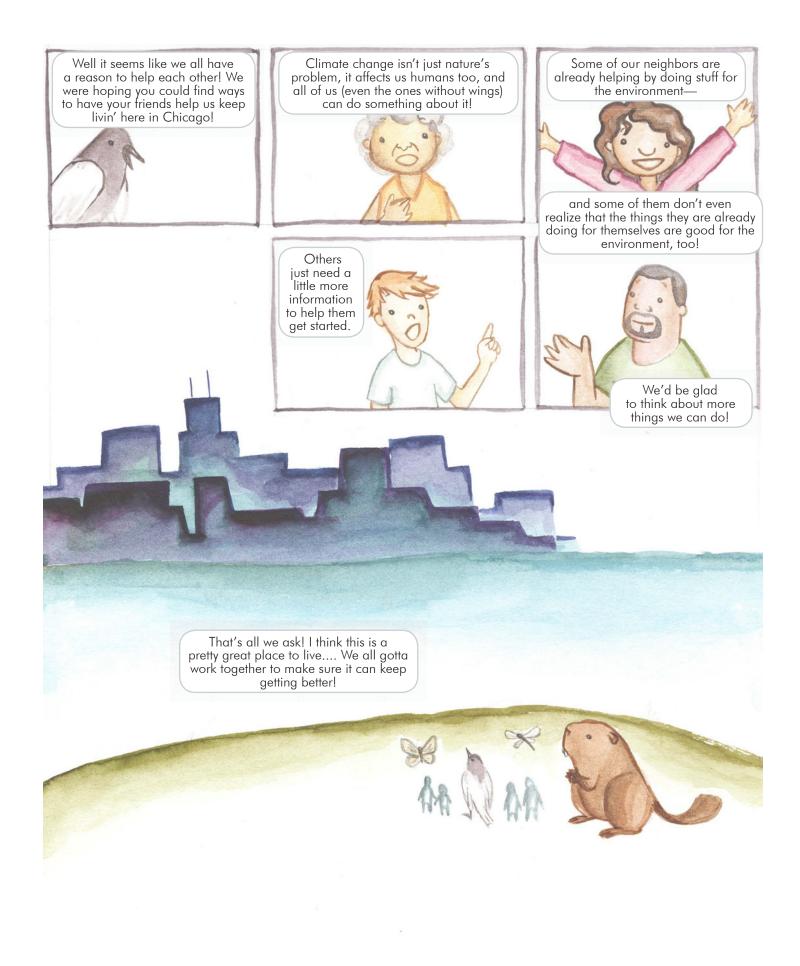














MEET ZOUR REGIEBURS

Hello, my name is Walter and I live in Bronzeville. I like to cook healthy food, using local ingredients. Here's a link to some community projects about local food and other issues

happening in my neighborhood: climatechicago.fieldmuseum.org/ bronzeville Hey! Jimmy here, from Forest Glen.
My yard both looks great and helps the
environment using native plants and rain
barrels. Take a look at these rain barrel
installations and other projects going on
in my neighborhood: climatechicago.
fieldmuseum.org/forest-glen



Hello, lovely to meet you. My name is Lucia and I am from Pilsen. My neighbors and I worked together to create a community garden and take a stand against air pollution near our homes: climatechicago.fieldmuseum.org/pilsen



Hiya! I'm Amira, from the Southeast
Side. I like to spread the word on
all the environmentally friendly
things my neighbors do around their
community, and in their own homes:
climatechicago.fieldmuseum.org/
south-chicago

Hello, we Black Terns spend our winters in Manarch butterflies that

Hello, we Black Terns spend our winters in South America, but come to places like the

Chicago Region to meet our mates and raise our families. Those places, or habitats, are threatened by climate change.

You can learn more about how climate change affects me here: chicagowildernessmag.org/issues/summer1999/blacktern.html

Monarch butterflies that spend the summer in the Chicago Region travel to places like Michoacán, Mexico, where a lot of Pilsen residents are from! Today's changing climate can make this long trip harder for me.

Learn more about how climate change affects

Monarchs here:

commondreams.org/headlines03/1111-06.htm

People know me for my giant green eyes, just like every other Hine's Emerald Dragonfly. We're listed as endangered, so you can see why climate change worries me. Climate change threatens my usual hangouts, the wetlands. Even if other wetlands come and go—the ones that I rely on are special and rare.

You can learn more about me here: fws.gov/midwest/endangered/insects/hed/hins fct.html

I'm a North American Beaver, and the dams that I make help create wetlands that a lot of other animals rely on. Climate change can affect the lakes, streams, and rivers that I like, making it tough for me to keep building my dams.

Well you can find out more here: web.extension.illinois.edu/ illinoissteward/openarticle. cfm?ArticleID=552



Make Your OWN Comic Book!

HEY! Do you or someone you know do things that are good for the environment? Follow these instructions, and use the next page as a guide. Soon you'll have everyone reading your very own comic book!



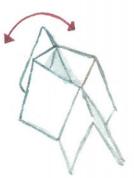
STEP ONE: Take one piece of paper (11"by 8.5") and fold it so there are 8 even squares.

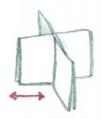


STEP TWO: Draw the cover of your comic book on the top right square, then work your way counter clockwise. Make sure your drawings stay right side up! (Look at the next page for help and ideas of what to write on each page.)

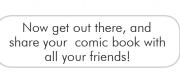
STEP THREE: Cut along the black dotted line. (Look at the next page for help.)

STEP FOUR: Fold up your paper along the same fold lines again. Your paper should open in the middle, making two pages that you can fold over into your book!











How does this activity help the environment?

environmentally triendly

What is an

someone you know action that you, or

does?

PAGE

ALONG THIS LINE

PAGE

PAGE

FOLD ALONG
THIS LINE

for the environment and their your friends and neighbors to do things that are good How can you encourage community?

help you, your family, How does this activity

or your community?

Where are you from? What is your community like?

Who are you? What is

your name?

PAGE

ALONG THIS LINE

PAGE

PAGE

CUT ALONG BLACK DOTTED LINE

COVER

COVER BACK

BACK cover to book, this end action comic your climate Draw the idn

climate action cover to your comic book, this end up! Draw the

BY: (YOUR NAME)

The Amazing Adventures of Chicago's Climate Action Heroes was inspired by four real Chicago community climate action projects. To learn more about these projects, visit:

climatechicago.fieldmuseum.org/communities.

There are many ways to use this comic book as an educational tool, including:

- Act out the stories
- Research the communities and animals
- Share your community's climate action stories

Find these ideas and more at:

climatechicago.fieldmuseum/learn.

Illustrated by Lisa See Kim



Printed on recycled paper. © The Field Museum, ECCo, 2012









- All butterflies get their start as caterpillars. The white, yellow, and black striped caterpillars that become Monarch butterflies start tiny (less than a ¹/₄ inch) then grow to about 2 inches before changing, or pupating, into adult butterflies.
- Caterpillars pupate in a chrysalis and emerge as adults after about 2 weeks.
- weeks.

 Adult Monarchs have wingspans of

about 4 inches.

• When it's winter in the Chicago Region, Monarchs migrate to warmer places like Michoacán, Mexico and back every year. A single butterfly doesn't make the whole trip; it lays eggs along the way, and the next generation keeps up the migration.



- Adult beavers weigh about 45
 pounds and are a little more than 3
 feet long.
- Beavers mostly eat the inner bark of living trees, but they also eat leaves, bark, and young shoots of some plants that live in water.
- Beavers use sticks, grass, and mud to build their homes, called lodges They build lodges in lakes, ponds, and streams and also build dams from the same materials across streams.
- Beaver dams slow the water flow of streams, which eventually create ponds. The ponds change the ecology of the streams. Different kinds of plants, fish, and animals car live and eat in the new pond habitat.



- Hine's Emerald is an endangered species. This means there aren't many left! The remaining populations are scattered across the Midwest and in Ontario, Canada.
- The Hine's Emeralds start out as larvae and can only live in the cool waters of spring-fed marshes that overlay dolomite bedrock. They live as larvae for 2 to 4 years, eating mostly other small invertebrates, or animals that don't have backbones They will also eat small fish and tadpoles.
- Adults are about 2 ½ inches long with a wingspan of about 3 ¾ inches. They only live 5 to 6 weeks and survive by eating other flying insects.



- Black Terns are about 10 inches long, have a 24 inch wingspan, and weigh just 2.2 ounces.
- They like to hemi-marshes, a type of wetland that has a good amount of plants that grow in standing water, and extend above the water. These groups of plants are called emergent vegetation. Black Terns lay 2-4 eggs at a time, on floating mats of vegetation in hemi-marshes.
- Though they eat mostly insects, Black Terns sometimes eat small fish.
- Black Terns change their wardrobel
 In the summer, they're black and
 dark gray. They then molt, or shed
 their old feathers. In the winter, their
 under parts are mostly whitish.



AGONFLY MERALI

Photo: Dr. Paul Burton

For more information, visit: tws.gov/midwest/

endangered/insects/hed/ hins_fct.html

org/issues/summer1999,

blacktern.html

For more information, visit: chicagowildernessmag.

Photo: Public Domain

MERICAN

BUTTERFLY

Photo: Public Domain

illinoissteward/openarticle web.extension.illinois.edu, For more information, visit: ut along dotted line to create your own animal bookmark!

ctm?ArticleID=552

Photo: Laura Milkert

For more information, visit: commondreams.org/

headlines03/1111-06.htm

Cut along dotted line to create your own animal bookmark!

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CHICAGO COMMUNITY
CLIMATE ACTION TOOLKIT

Find this and other climate action tools at

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CLIMATE ACTION TOOLKIT

USING THE AMAZING AMAZING ADVENTURES OF CHICAGO'S CLIMATE ACTION HEROES AS AN EDUCATIONAL



The Amazing Adventures of Chicago's Climate Action Heroes illustrates the impacts of global climate change on the Chicago region's human and nonhuman populations and shows what four Chicago communities are doing in response. In each neighborhood, the climate action heroes take action that benefits their natural environment while also improving their community's quality of life in other ways. The story's conclusion invites the reader to become a climate action hero and tell their neighborhood's climate action story. The book is a great fit for upper elementary school to early secondary school youth and can also be used with adults.

GROUP READING

There are 13 large and small speaking parts in the comic book. Depending on time and space constraints, a group can either do a "table read" or act out the comic book like a play. Those without speaking parts can participate by miming some of the environmentally-friendly practices as they are described by those playing the comic book characters (e.g., weatherizing a house, swapping recipes).

To add to the experience, each participant can complete a "character study" of the character they'll play, then present their findings to the rest of the group. For example, the person playing the part of the butterfly might research the migration patterns of Monarch butterflies, and the person playing Amira might research the history of the Southeast Side.

After the reading, the group can recap what projects they saw at work in the comic book and talk about what they do themselves that is similar, or what they would like to do and how they would go about doing it. What resources would they need? Who else could they recruit to help them?



MAKE YOUR OWN

The comic book is meant to inspire action and is a great starting point for readers to initiate their own individual and group climate action projects. These projects can advance skills in scientific research, creative thought, and collaboration.

On the last page of the book, there are instructions for making your own comic book. If you're teaching a unit on climate change that involves a climate action component, you can have students create comic books to tell the story of their climate action project(s). In this way, the class project begins and ends with a comic book: the one that inspired the class, and the one each student makes after the class completes the project. Students might also create a comic book to show others how to do what they did (e.g. a step-by-step guide to installing a rain barrel, or five small changes you can make to reduce your classroom's energy use).

Participants can also interview friends, relatives, and neighbors and then use the comic book format to tell their community's green stories (e.g., my grandfather's vegetable garden, my church's annual rummage sale). In either case, the group can then come together and use their comic books to share climate action stories and learn from one another. Remind your group that an effective climate action comic book clearly presents an environmental challenge and then shows a solution that is good for both people and nature.

A sheet of letter-sized paper will produce a fairly small comic book. You might consider using larger-format paper. Regardless of which size paper you use, remember that the blank back side of the comic book artwork can be used to say more about the project or topic. If you take a look at the instructions for folding and cutting, you'll see that the final book unfolds into a full sheet of paper with just a small slit in the center. This provides a good amount of space for more detailed information.



VISUAL AID FOR CLIMATE CHANGE LESSONS

The comic book is available as a high-resolution digital file at **climatechicago.fieldmuseum.org/leam**, making it easy to enlarge single pages or frames for use in presentations. The comic book's stylized, light-hearted illustrations can serve as a fun and accessible alternative or supplement to more complex scientific diagrams, such as those in the more detailed climate science booklet, **Climate Change in the Windy City and the World**.



This comic book was created to stand on its own and is a great resource to make available at workshops or in public waiting areas, for people to read on site or take home. It includes links to additional information if readers are interested in learning more about local wildlife, climate science, and taking climate action on their own.

Please share your ideas and experiences using this and our other tools: climatechicago.fieldmuseum.org/share



ADDITIONAL RESOURCES

For more help teaching the science of climate change, see Climate Change in the Windy City and the World, available at:

climatechicago.fieldmuseum.org/

- To learn more about the real climate action projects that inspired the comic book, visit: climatechicago. fieldmuseum.org/communities.

 The website includes video documentaries, photo slideshows, and more.
- For additional guidance developing climate action project ideas for your community, visit: climatechicago.fieldmuseum.org/doyourown



Find this and other climate action tools at climatechicago.fieldmuseum.org



