

# CITIZEN SCIENCE WITH MOM

Fun projects you can do together!



**OUR MOTHERS WERE OUR FIRST SCIENCE TEACHERS**, helping us to notice and observe the world around us. We all know that Moms are super skilled at using science practices, such as asking questions, investigating, designing solutions and arguing from evidence. Why not have fun taking on a citizen science project with Mom?

Our friends at SciStarter have assembled some fun projects you can do together that will help Mother Earth:



Photo Credit: Budburst

## SHARE BUDBURST WITH YOUR MOM

Choose your mom's favorite flower to observe near you and report when its buds are blooming.

Phenology scientists (who study seasonal changes in nature) are standing by!

[www.scistarter.org/budburst](http://www.scistarter.org/budburst)

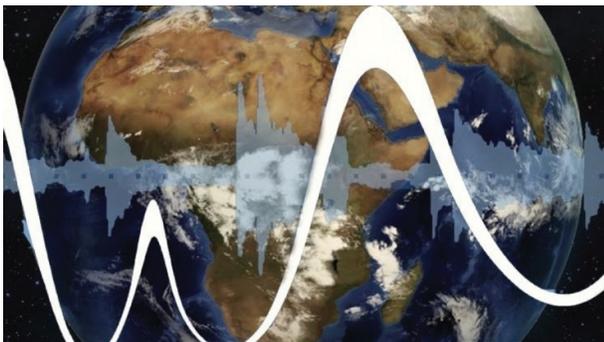


Photo Credit: Silent Earth

## AH, SILENCE...

Help mom find some quiet with the free Silent Earth app.

Learn how to find and map quiet places around the world to help NASA populate a noise map.

[www.scistarter.org/silent-earth](http://www.scistarter.org/silent-earth)



Photo Credit: Leona2013 from Pixabay

## DON'T FORGET THE QUEEN!

With Ant Picnic, you'll make a simple meal fit for a queen! Then, observe which ingredients ants prefer.

Your data will help scientists understand food preferences of ants.

[www.scistarter.org/ant-picnic/](http://www.scistarter.org/ant-picnic/)

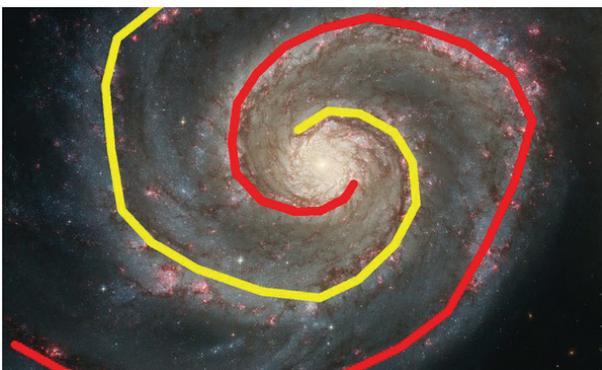


Photo Credit: Silent Earth

## SHOW YOUR MOM WHO'S THE STAR

Hop online with mom to trace galaxies. Astronomers need your help to annotate online images to understand the curvature of galaxies.

Your input can help identify future areas for detailed telescope observations.

[www.scistarter.org/spiral-graph](http://www.scistarter.org/spiral-graph)

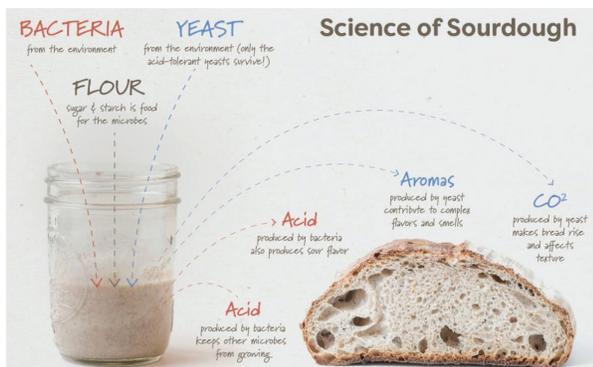


Photo Credit: Lauren Nichols

## BAKE BREAD FOR MOM

CNN spotlighted Science of Sourdough from the Public Science Lab. Capture wild microbes and turn them into bread – for mom and for science!

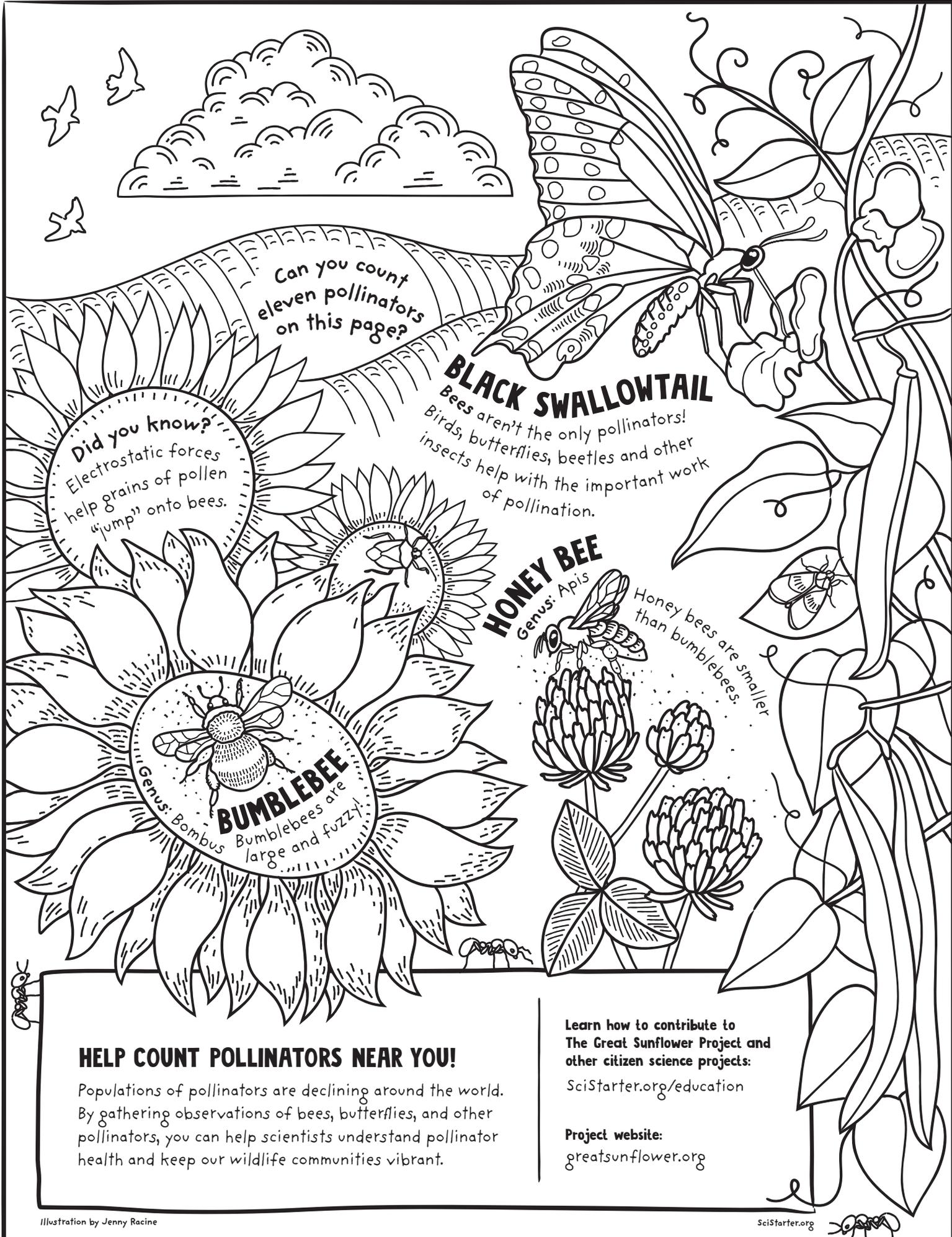
To make your own sourdough starter, all you need is flour, water, and a little bit of time.

<http://robdunlab.com/projects/wildsourdough>

## COLOR AND LEARN ABOUT POLLINATORS!

Learn to identify pollinators while coloring the following sheet. Then, participate in The Great Sunflower project using any flowering plant near you...maybe mom will hang your artwork on her refrigerator!

<https://scistarter.org/education/great-sunflower-project-homeschool>



Can you count eleven pollinators on this page?

### BLACK SWALLOWTAIL

Bees aren't the only pollinators! Birds, butterflies, beetles and other insects help with the important work of pollination.

#### Did you know?

Electrostatic forces help grains of pollen "jump" onto bees.

### HONEY BEE

Genus: Apis

Honey bees are smaller than bumblebees.

Genus: Bombus  
**BUMBLEBEE**  
Bumblebees are large and fuzzy!

## HELP COUNT POLLINATORS NEAR YOU!

Populations of pollinators are declining around the world. By gathering observations of bees, butterflies, and other pollinators, you can help scientists understand pollinator health and keep our wildlife communities vibrant.

Learn how to contribute to The Great Sunflower Project and other citizen science projects:

[SciStarter.org/education](http://SciStarter.org/education)

Project website:  
[greatsunflower.org](http://greatsunflower.org)