

Be an Animal Champion

Inspired by

Apple TV+ JANE

"You cannot get through a single day without having an impact on the world around you. What you do makes a difference, and you have to decide what kind of a difference you want to make."

- Dr. Jane Goodall, primatologist, conservationist

Dear Educator,

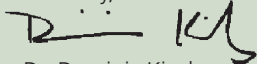
Chances are that your students have big hearts for protecting the planet and all the amazing animals that depend on it. Inspire them to put their feelings into action by introducing them to Jane Garcia, a 9-year-old on a mission to save the world, one animal at a time, in the new series, **Jane**, now streaming on **Apple TV+**. Jane and her hero Dr. Jane Goodall are a perfect combination to bring themes of animals and conservation to life for your students.

With this free educational program from **Apple TV+** and the curriculum specialists at Young Minds Inspired, your students will learn more about endangered animals, the cause/effect relationships within ecosystems, and how animals are impacted by human activity. In the process, they will be motivated to take action and make small changes in their daily lives to help protect the planet. The program features ready-to-implement activities that support your science and language arts curriculum. It also encourages family engagement with a take-home letter with ideas families can do together.

Your class can also get hands-on with two DIY activity videos inspired by the series. These instructional videos teach viewers how to make a vegetable pizza and how to create flower planters to support honeybees. The videos, accompanying downloadable instructions, and activity sheets can be used in school or at home with an adult.

Please share this program with other teachers in grades 1 and 2. And also visit [ymiclassroom.com/feedback-jane](https://www.ymiclassroom.com/feedback-jane) to let us know your thoughts on this program. We look forward to receiving your comments.

Sincerely,



Dr. Dominic Kinsley
Editor in Chief
Young Minds Inspired



Questions? Contact YMI toll-free at 1-800-859-8005 or by email at feedback@ymiclassroom.com.

About Jane

Nine-year-old animal activist-in-training, Jane Garcia is on a mission to save the world, one animal at a time in the new series from **Apple TV+**, **Jane**, premiering on April 14. Inspired by the life and work of leading primatologist and conservationist, Dr. Jane Goodall, **Jane** invites viewers into a world where young Jane's powerful imagination brings together education and activism. Jane is always imagining her way to anywhere in the world where she, her best friend David, and a chimpanzee named Greybeard can be a voice for animals against the threats they face from human impact on the planet. Like her hero, Dr. Goodall, Jane empowers young people to take small steps that can lead to big changes.

Target Audience

Grades 1-2

Program Components

Available at [ymiclassroom.com/jane](https://www.ymiclassroom.com/jane):

- This teacher's guide
- Three reproducible student activity sheets
- A reproducible take-home letter
- Two DIY activity videos plus downloadable instructions and activity sheets
- An educational standards chart
- An online feedback form

Program Objectives

- Reinforce concepts of habitat/ecosystems and raise awareness of endangered animal species
- Strengthen cause/effect reasoning
- Support understanding of human impact on earth systems
- Encourage social-emotional learning with an emphasis on compassion and youth-empowerment

How to Use This Program

Make photocopies of the student activity sheets, as well as the family letter to send home. Students will need pencils, markers or colored pencils, blank paper, and rubber bands. Plan on having a computer with sound and video streaming capabilities in your classroom.

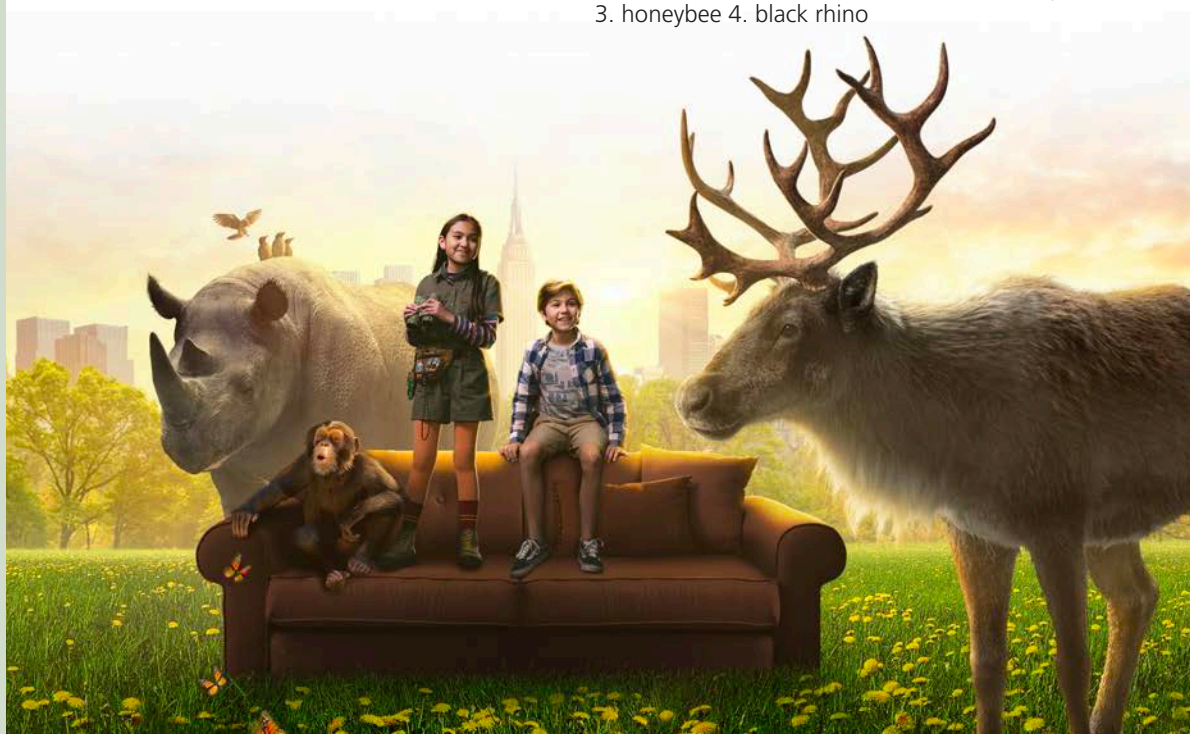
Activity 1

What a World!

Pre-select animal sounds of your choice at the Center for Biological Diversity website (<https://rareearthtones.org/ringtones/preview.html>) as part of an animal sound guessing game. Choose the "preview option" to select sounds and see if your students can identify the animal. Use the links at the website to access more information about each animal to share with students.

Distribute the activity sheet and direct students to complete the *Who Am I?* quiz by matching animal names from the word bank to the clues.

Answers: 1. blue whale 2. monarch butterfly
3. honeybee 4. black rhino



Once done, review how each of these animals can be helped. For example:

- black rhinos: Learn about kids' groups to support endangered animals.
- butterflies and bees: Don't use pesticides in gardens.
- monarch butterflies: Plant native milkweed in your backyard.
- honeybees: Plant gardens full of flowers, especially yellow and purple flowers.
- blue whales: Use less plastic, since too much of it is ending up in ocean habitats.

Create your own A-Z endangered animal class book. Explore animals through books and magazines available in your classroom or in your school library. In addition, National Geographic, <https://switchzoo.com>, <https://defenders.org/wildlife>, and www.worldwildlife.org/species are among the many kid-friendly websites for further student engagement. For each letter of the alphabet, have students: name an animal, describe its habitat, provide a fun fact about the animal, and explain why it is endangered and how we can help protect it. In addition, have students draw pictures of the animals. The pages can be laminated and bound together as a book and posted digitally to share with families.

As a follow-up, create an animal-saver quilt by having each student create an image of an endangered animal on paper or by using felt squares and cloth. Staple the paper or glue the felt squares together to create a class quilt to display in the classroom or school hall.

Activity 2

Observe to Learn, Learn to Care

Distribute the activity sheet and read and discuss the featured information about Dr. Jane Goodall. Explain that the series, *Jane*, is inspired by Jane Goodall's work to help animals around the world. Share this brief introductory video with students: <https://vimeo.com/800444334>. You might also visit <https://janegoodall.org/our-story/our-legacy-of-science/> to learn more about Dr. Goodall's discoveries to share as part of your discussion.

Have your students do their own animal observations by viewing a live animal webcam for 5 to 10 minutes. (See the webcam list below for examples.) Distribute the activity sheet and explain that many scientists observe animals to help us learn about them and speak up for them like Dr. Goodall. Tell them that they are going to put their own observation skills to work. Give them time to record their observations on the activity sheet chart and draw a sketch of the animal on the back of the sheet. Then have the class share and compare their general observations and what they learned about the animal through watching them. (Note: Webcams can show potentially disturbing animal behaviors, such as eating prey; plan to preview the webcams listed here to select one appropriate for your students.)

- **Birds:** www.allaboutbirds.org/cams/#
- **Pandas:** <https://nationalzoo.si.edu/webcams/panda-cam>
- **Elephants:** <https://explore.org/livcams/african-wildlife/tembe-elephant-park>
- **Brown Bears:** <https://explore.org/livcams/brown-bears/river-watch-brown-bear-salmon-cams>
- **Monterey Bay Aquarium:** www.montereybayaquarium.org/animals/live-cams
- **Bald Eagle:** <https://www.youtube.com/watch?v=B4-L2nfGcuE>
- **San Diego Zoo:** <https://zoo.sandiegozoo.org/live-cameras>

Activity 3

Small Steps Can Make a Big Difference

Help students understand the harmful effects trash and litter can have on wildlife by asking for a student volunteer to conduct a simple demonstration. Place a small rubber band around the student's hand, wrapping it around the index and middle finger. Be sure not to make it too tight. Ask the student to imagine their hand is a bird that has gotten itself caught in a rubber band that someone tossed away. Ask them to try and remove the rubber band without using their other hand. The student should struggle to do this. Ask the student to explain how it feels to be trapped in the rubber band and have the class discuss how difficult this would be for the bird to remove.

Explain that this demonstration shows what can happen when a bird or another animal gets entangled in fishing line or plastic six-pack rings that someone has tossed away. Remind students that properly disposing of our trash is one small but important choice we can make that helps animals.

Distribute the activity sheet, read the quote from Dr. Jane Goodall together, and talk about what students think it means. Explain that Dr. Goodall believes in the power of young people to help make a difference, and that she started an organization called Roots & Shoots to help them do just that. Share this video about Roots & Shoots with students: <https://vimeo.com/800445384>.

Read the list of actions and have students complete the activity sheet. Challenge students to choose two or three actions that they can take to help protect animals and their habitats. Share this video on the recycling process to help inspire students: [youtube.com/watch?v=VIRVum9cp4](https://www.youtube.com/watch?v=VIRVum9cp4). Encourage students to share their drawings before taking them home.

There's More Online!

Check out ymiclassroom.com/jane for two DIY activity videos, instructions, and activity sheets inspired by *Jane* to share with families or do in class to help protect sharks and honeybees. You can also learn about Jane's drive and passion for animals with *Jane's Endangered Animal Guide*. Featuring scenes from the **Apple TV+** series and fun graphics, this book draws readers deeper into Jane's adventures while also keeping them grounded in the real world, encouraging them to do what they can to make a difference. Download a free excerpt at the website above.

Jane's Endangered Animal Experience

Complementing *Jane's* honeybee episode, the *Jane's Endangered Animal Experience* (coming first to the California Science Center and Pittsburgh Carnegie Natural History) invites visitors to join Jane and her friends on an adventure to figure out why honeybees around the world are disappearing. Kids can see and experience the world as bees do, interacting with scaled up models of bees and flowers, giving them a hands-on opportunity to learn about the world of pollinators and the role they play in the global ecosystem. Check with the museums for more details.

Resources

Jane: apple.co/Jane

Roots & Shoots: <http://joinjane.org/>

Jane Goodall Institute: janegoodall.global

In-school program: ymiclassroom.com/jane

WHAT A WORLD!

Who Am I?

Solve these riddles to learn more about endangered animals.



Word Bank

honeybee blue whale monarch butterfly black rhino

Animal 1 Clues

- I am color blind and can only see in shades of gray.
- I am the biggest animal that has ever existed!
- I sing and am the loudest animal on Earth!
- One reason I am endangered is because I get entangled in fishing nets.

I am a _____.

Animal 2 Clues

- I only live for 2 to 6 weeks.
- I use my tongue to slurp up my food. But, I taste things through the hairs on my legs and feet.
- I make an incredible journey from Canada, through the U.S., and on to Mexico every year.
- I am endangered because habitat loss means there are fewer meadows. People are clearing meadows to build homes and buildings.

I am a _____.

Animal 3 Clues

- I do a waggle dance to let my friends know where to find the best food.
- I can flap my wings more than 200 times per second.
- I have 5 eyes and 6 legs.
- One reason I am endangered is because habitat loss means there are fewer flowers. And that means less food for me.

I am a _____.

Animal 4 Clues

- A group of me and my friends is called a crash.
- I can live up to 50 years in the wild.
- I am an herbivore — I only eat plants!
- I am endangered because of climate change. There is less rain and food in my habitat. Also, some people hunt me for my horn.

I am a _____.

Animal Saver Vocabulary

Endangered: when an animal or plant species is in danger of becoming extinct

Extinct: when an animal or plant species no longer exists



Hello fellow animal savers! I'm Jane Garcia. The more you know about the amazing animals in our world, the more you see how we are all connected!



OBSERVE TO LEARN, LEARN TO CARE

Animal Saver Vocabulary

Conservationist: a person who works to help protect, defend, and save natural resources

Primatologist: a scientist who studies monkeys and apes, which are called non-human primates



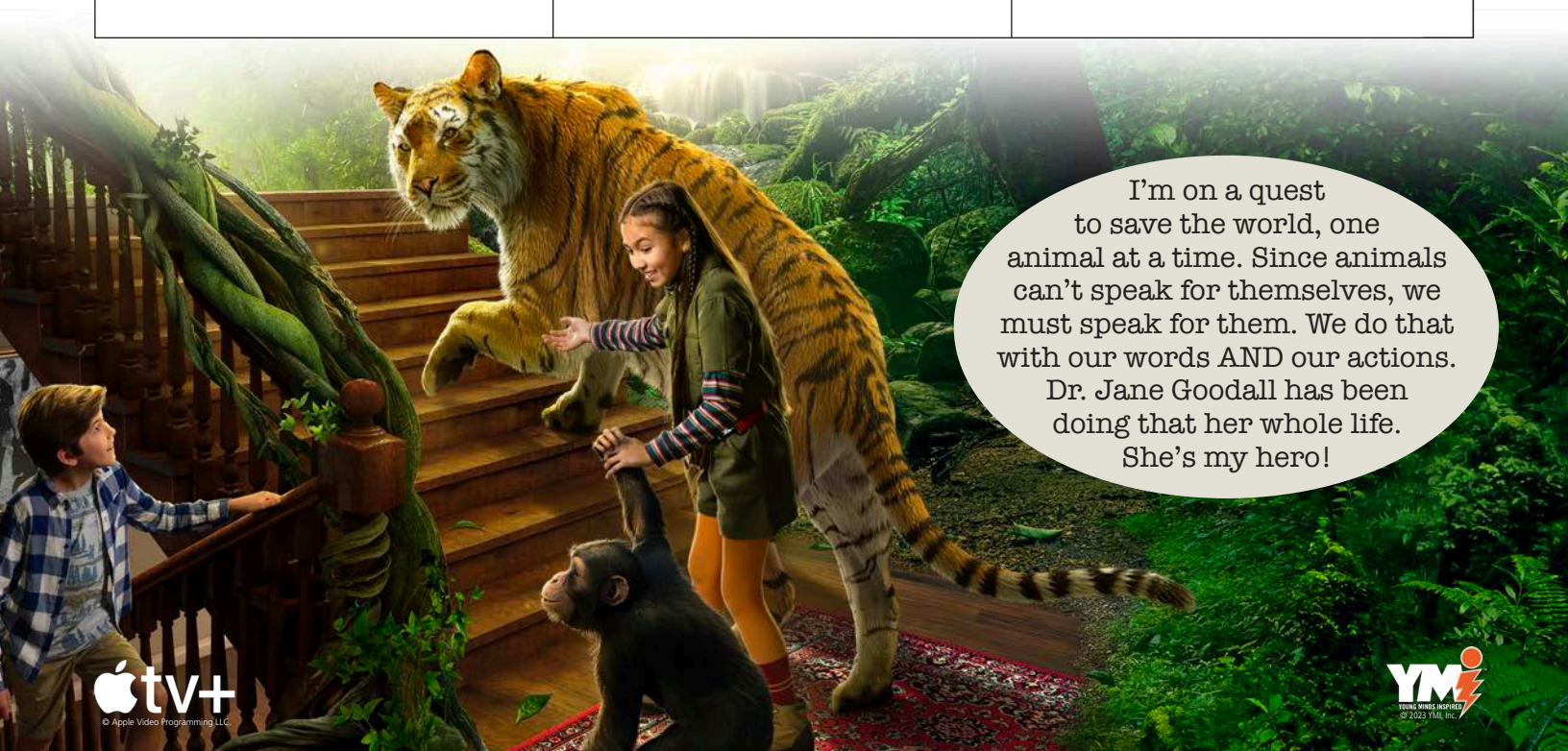
Dr. Jane Goodall studies animals and tries to help them. She is a *conservationist*. She studied chimpanzees in Africa. That makes her a *primatologist*. Dr. Goodall learned that chimpanzees act like humans sometimes. They made simple tools with materials from nature. Dr. Goodall has traveled around the world to help us learn about taking care of animals. She believes young people can make a difference.

Animal Cam Observation Notes

You can observe animals, too. Watch an animal on a live animal cam. Make notes in the chart below. Then draw a picture of the animal on the back of this sheet.

Animal: _____ Date _____ Time: _____

Observe	Guess	Wonder
Describe what the animal is doing or what it sees.	Why do you think the animal is acting this way?	What do you wonder about this amazing animal?



I'm on a quest to save the world, one animal at a time. Since animals can't speak for themselves, we must speak for them. We do that with our words AND our actions. Dr. Jane Goodall has been doing that her whole life. She's my hero!

SMALL STEPS CAN MAKE A BIG DIFFERENCE



Here are some changes that you and your family can make to help protect animals and the planet.

1. Pack lunches and snacks in reusable containers.
2. Take reusable grocery bags for shopping.
3. Reuse bathroom towels instead of putting them in the dirty clothes after one use.
4. Shop for healthy snacks with the least amount of packaging.
5. Create art from recyclable materials.
6. Recycle plastic, paper, glass, and metal at home.
7. Think about whether you really need something before you buy it.
8. Eat leftovers and compost food scraps so nothing goes to waste.
9. Safely dispose of things that can't be recycled or reused.
10. Donate clothes and toys you outgrow.

I Can Make a Change!

What small changes will you make to help make a difference? Choose three actions from the list above. Or come up with ideas of your own!

1. _____

2. _____

3. _____

On the back of this sheet, draw yourself practicing these new habits. Hang up your picture at home to remind everyone to join you in taking action!

Here is my favorite quote from Dr. Jane Goodall:
"You cannot get through a single day without having an impact on the world around you. What you do makes a difference, and you have to decide what kind of a difference you want to make."

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JANE

Dear Families,

At school, your child is on a mission to learn more about protecting animals and the earth. Leading the way is 9-year-old animal-activist-in-training, Jane Garcia. Jane is on a quest to save endangered animals, teaching kids why these animals need our help, and what they can do to make a difference. Jane's epic adventures, inspired by her hero Dr. Jane Goodall and her imagination, are featured in the new series, *Jane*, premiering on **Apple TV+** on April 14. Each episode also provides tips on how we can all help protect animals and the planet.

Dive in at home to support your child's learning and protect the earth as a family! View and discuss the show together. The first episode is available for free, with no **Apple TV+** subscription required. Then try out these ideas, inspired by *Jane*, to get started with your own conservation activities:

- **Choose Your Own Adventure:** Think of a project to engage your family in making positive changes, then spread the word! Try a waste audit to start! Check out <https://greencleanguide.com/how-to-conduct-an-at-home-waste-audit/>. Use the Family Toolkit at the Roots & Shoots website to help make a plan: <https://rootsandshoots.org/resources/roots-shoots-family-toolkit>.
- **Let It Rot:** Help keep greenhouse gasses produced by food waste out of the atmosphere by composting fruit and veggie scraps. While you're at it, buy only what your family will eat for one week to save food from wasting before you're able to eat it. Learn more at www.npr.org/2020/04/07/828918397/how-to-compost-at-home.
- **Volunteer and Attend Eco-friendly Events!** Many cities across the country host clean-up days or weed removal. Taking your child to Earth Day or endangered species day events is another way to get ideas for change. Check out www.earthday.org and www.endangered.org/campaigns/endangered-species-day/ for more information.
- **DIY Activity Videos:** Visit ymiclassroom.com/jane for videos on making vegetable pizza and flower pots. These crafts can help sea life and bees! Check out the videos to learn how.

Visit Jane's Endangered Animal Experience (coming first to the California Science Center and Pittsburgh Carnegie Natural History) where kids and families can go on an adventure to figure out why honeybees around the world are disappearing. Visitors shrink down to honeybee size, just like Jane does in the honeybee episode, to learn about the role pollinators play in the global ecosystem. Check with the museums for more details.

Add to your child's excitement for Jane with *Jane's Endangered Animal Guide*. Featuring scenes from the show, along with fun graphics produced in collage-style, this book draws readers deeper into Jane's adventures while also keeping them grounded in the real world, encouraging them to do what they can to make a difference. Download a free chapter at ymiclassroom.com/jane.



Visit ymiclassroom.com/jane to learn more about *Jane*, the series on **Apple TV+**. You'll also find videos and activities you can do at home, plus a chapter from *Jane's Endangered Animal Guide*.