



Jane Goodall's
Roots & Shoots



A Starter Toolkit for Educators

www.rootsandshoots.ca

www.janegoodall.ca

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About this Toolkit

This toolkit is designed to assist you as you guide young people on their Roots & Shoots journey. Whether you're an educator, parent or trusted adult, you'll find something useful to inspire the youth around you to make a positive difference for people, animals and the environment we all share.

Jane Goodall's Roots & Shoots is humanitarian and environmental education and youth empowerment program of the Jane Goodall Institute and is active in 87 countries. The program inspires and prepares young people to become compassionate conservation leaders who are globally mindful and locally active by guiding them through youth-led, community projects that help people, other animals and the environment.

Thank you for joining us in growing a generation of *Janes*!



Jane Goodall's Roots & Shoots

Dr. Jane created Roots & Shoots 25 years ago with 12 Tanzanian high school students who wanted to tackle urgent problems in their community. Roots & Shoots groups are now making a positive difference for people, other animals and the environment all around the world.

Young people design and lead projects in their communities that tackle issues they feel strongly about. Through this process, they will gain:

- Compassion & empathy
- Confidence
- Leadership skills
- Inquiry & research skills
- Critical thinking skills
- Systems thinking skills
- Global mindfulness
- Respect for diverse perspectives
- Awareness of local sustainability issues & their root causes
- Understanding of the interconnectedness of people, other animals and the environment

Roots & Shoots Projects

Are youth-led

Tackle local sustainability issues

Make a positive difference for people, other animals and the environment



Global Connections

Roots & Shoots is active in nearly 100 countries, uniting our global family in a movement to build a better future for people, animals and the environment we all share.

Through **Roots & Shoots Connects (RSX)**, young Canadians can build their global mindfulness by taking part in an exchange of culture, ideas, solutions to similar issues with Roots & Shoots members around the world.



<http://www.janegoodall.org/about/our-global-presence/>

The Roots & Shoots Journey

A 4-step journey to help you get inspired, find a local issue to tackle, plan a project and celebrate the difference you have made. Learn more below and at www.janegoodall.ca/get-involved/rootsandshoots/4-step-journey/

Curricular Connections

The program is interdisciplinary and provides learners with real-world, inquiry based opportunities that compliment student learner outcomes throughout Canadian curricula. These outcomes include:

- Social Studies outcomes in community mapping, ethics, Indigenous ways of knowing, social justice, human rights, consumer choices, civics;
- Science outcomes in local species identification, habitat conservation, climate change, waste effects, ecosystems;
- Language outcomes in persuasive writing, presenting, marketing and communications;
- Career Development outcomes in project management, research, leadership skills, compassion, service learning, community engagement;
- Information and Communication Technologies outcomes in online mapping technology and graphing, etc.



Step 1: Inspire



In the first step of the Roots & Shoots journey, young people are engaged and inspired to make a difference through:

- the remarkable story of Dr. Jane
- the Roots & Shoots project examples from page 18
- getting outside and rekindling relationship their with the land
- exploring and finding value in diverse perspectives



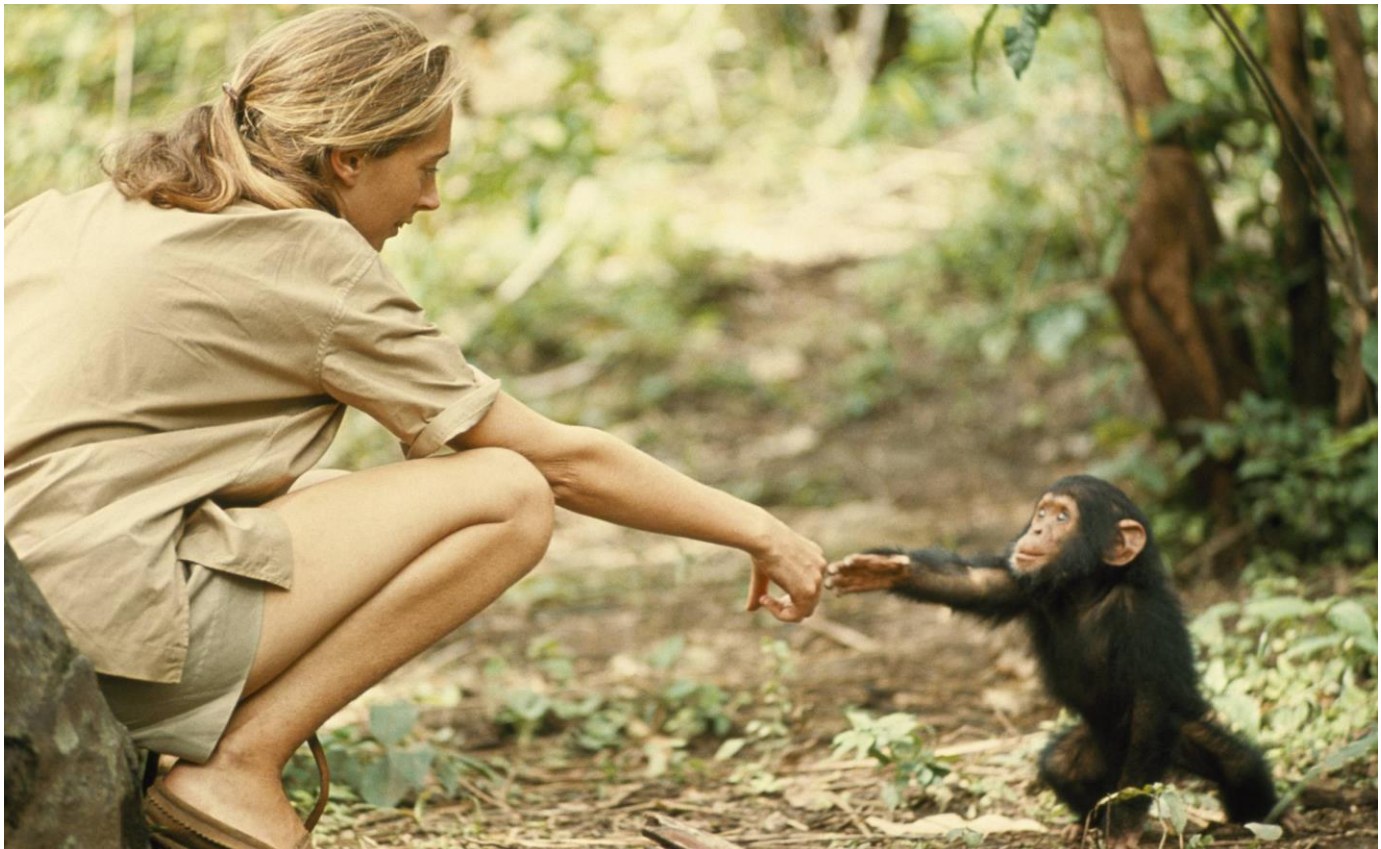
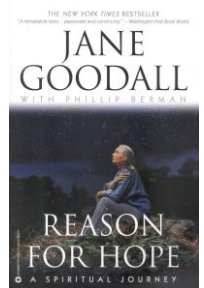
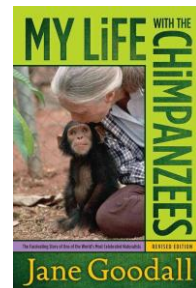
The Story of Dr. Jane

Dr. Jane is a renowned primatologist, Dame of the British Empire and United Nations Messenger of Peace. She travels the world 300 days a year spreading her message of hope.

She is a pioneering role model in the sciences and a dedicated champion for those who cannot speak for themselves.

Find out more about Dr. Jane.

janegoodall.ca/who-we-are/jane-goodall/





The Evolution of Jane Goodall

Let's celebrate her journey of discovery by following her evolution
from a girl with a dream to a woman with a global mission

The Dreamer

Growing up in England, Jane dreamed of working with wildlife in Africa. Her mother told her, "If you really want something, and if you work hard... and never give up, you will somehow find a way."



The Adventurer

Fulfilling her dream in Tanzania in the '60s, Jane Goodall discovered that wild chimpanzees are much more like us than anyone had imagined. Her observations about chimpanzee tool use caused Dr. Louis Leakey to exclaim, "Now we must redefine tool, redefine Man, or accept chimpanzees as humans."



The Scientist

At first, Jane was criticized by the scientific community for naming wild chimpanzees and forming bonds with them. In 1966 "Dr. Jane" proved her scientific chops by earning a Ph.D. in animal behaviour.



The Activist

In 1986, Dr. Jane reluctantly decided she must leave her beloved chimps in the forest to travel the world and raise awareness about the threats facing chimpanzees, including habitat loss and the bushmeat trade.



The Inspiration

Dr. Jane Goodall — now a United Nations Messenger of Peace — is inspiring new generations of "Janes" through Roots & Shoots, a global movement of youth who create and lead sustainable change for their communities.



You can join Jane's journey by helping the Jane Goodall Institute protect great apes, and inspire young people to help animals, other people and to protect the world we all share.

Visit JaneGoodall.ca to learn more

Photo by Hugo van Lawick



the Jane Goodall Institute of Canada

Step 2: Understand



In the second step of the Roots & Shoots Journey, young people physically map their community while learning to critically observe and **understand** the world around them, identifying key issues as they do so.

In order to make your community a better place for people, other animals and the environment, you need to first understand who lives there and if everyone's needs are being met.

Community Mapping

Creating a map of a community's people, animals and environmental features is the first step the Jane Goodall Institute of Canada takes in our projects in African communities. You and your young people will begin the same way.



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Mapping Your Community

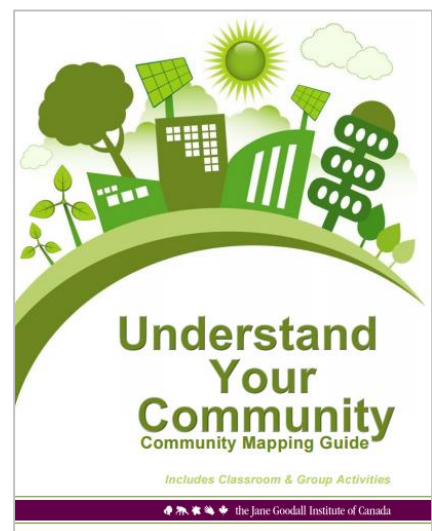
Map the people, other animals and environmental features in your community. The map can be paper and pencil, a diorama, computer generated using mapping software such as Google Maps or world-building software such as Minecraft, etc.

The goal is to understand who is in your community and then determine if there are any community issues your youth may be able to address in their project.

- 1. Choose the community.** For younger people, the community may be a schoolyard or front yard. For older youth, it can encompass a whole city. There are no wrong answers—as long as it is **local**, choose any community that they'd like to make a difference in.
- 2. Get outside!** Physically walk around the community, draw pictures, take photos, identify species, speak to community members, observe wildlife, etc.
- 3. Analyze what has been learned.** Are the needs of any of the people, other animals or environmental features in your community NOT being met? Are there any animals missing? Is the environment as clean and healthy as it can be? Are the people respected, well-fed, employed, and treated fairly?

Your young people will likely identify a few issues, so you'll need to assist them in choosing one to focus on and design a project around.

**For step by step instructions on
Community Mapping,
download the Guide.**



Step 3: Take Action



In the third step of the Roots & Shoots Journey, young people determine which community issue they would like to tackle and design and implement a plan to do so.

It is key to remember that people, other animals and the environment are interconnected, so when they are designing their project, take the time to consider how their actions will affect all three groups.



Taking Action

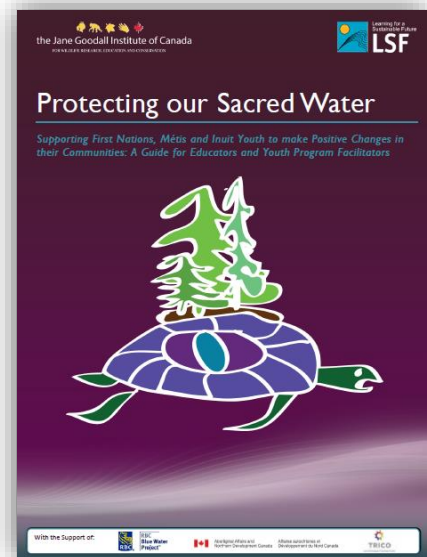
During the community mapping activity, your young people will have identified a number of issues affecting the people, other animals and environment in the community. Help them narrow down and choose one issue and design a project that takes action on it.



Types of actions taken include:

- Educate: Inform the community of local sustainability issues.
- Motivate: Inspire changes in consumer & lifestyle choices by offering sustainable alternatives.
- Restore: Create, rehabilitate or maintain natural areas
- Advocate: Take advocacy action to raise awareness about your cause

For step by step instructions on creating your project, download our Protecting our Sacred Water guide.



A Roots & Shoots project can be as big or as small as your young people would like it to be. Remember: everything you do makes a difference and that YOU get to decide what kind of difference you want to make.

See page 18 for Roots & Shoots project examples, with more at <https://janegoodall.ca/our-stories/category/youth-power/>



United Nations Sustainable Development Goals

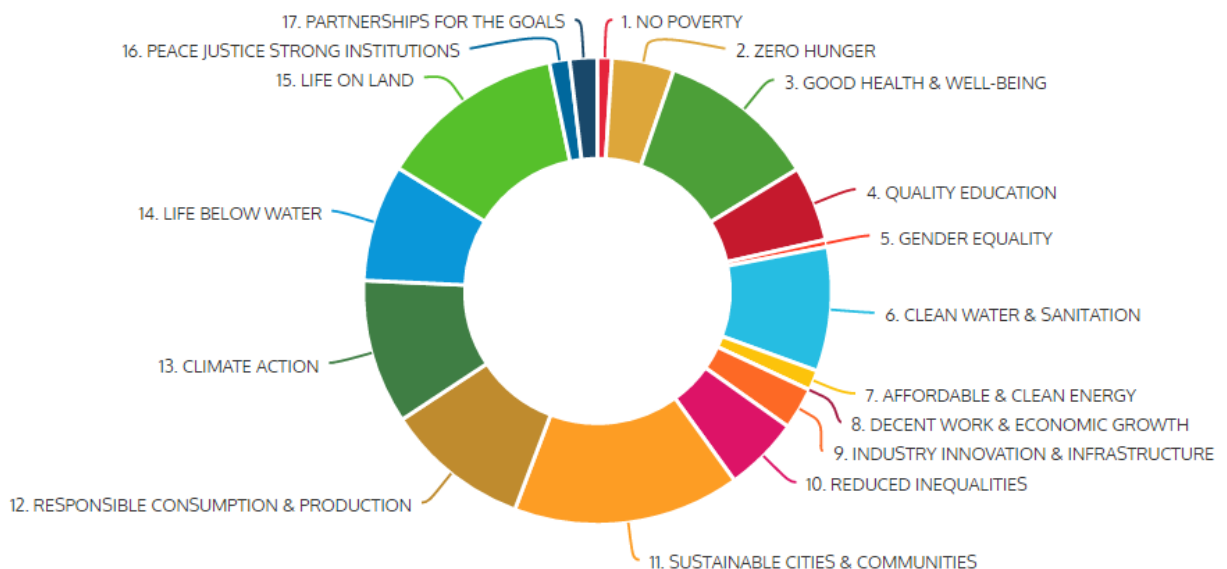
Each Roots & Shoots project is meant to make a positive difference for the people, other animals and environment in your community. Your youth's project may focus on one of these three groups but remember that they are all interconnected—any positive change for one group should also (eventually) be good for the other two.

Finding a balance between the needs of society, economy and the environment (or in Roots & Shoots terms: people, other animals and the environment) is the main idea behind the concept of sustainability.

In 2016, the United Nations launched the Sustainable Development Goals, a plan to make the world a more sustainable place by 2030. The solutions to each of the 17 goals are going to require us to ensure that the needs of people, other animals and the environment are all considered equally.

To learn more about the Global Goals, visit www.globalgoals.org.

**Each Roots & Shoots project contributes to one or more of the Global Goals.
Here are the goals we impacted in 2015-2016.**



More Ways to Get Involved

The global Roots & Shoots family recognises and celebrates various International days and observances throughout the year.

You and your young people can get involved by joining our calls to action and helping us raise awareness around issues close to Dr. Jane's heart.

Conflict Minerals

Jane Goodall Institute's International Day of Mobile Recycling-January 24th
www.mobilerecyclingday.org/

Roots & Shoots Birthday-February 19th

Earth Day-April 22nd

Wildlife Trafficking

World Elephant Day-August 12th

Great Ape Conservation

International Primate Day-September 1st

Peace

United Nations International Day of Peace-September 21st
www.rootsandshoots.org/peaceday

Migration

Consumer Choices



Roots & Shoots Peace Day

Dr. Jane was appointed as a United Nations Messenger of Peace in 2002. Her appointment was due mainly to her dedication to spreading hope, inspiration and encouragement among the world's youth through the Roots & Shoots program. In honour of her role and the overarching mandate of Roots & Shoots to break down barriers between religions, races, cultures & between us and the natural world, the Roots & Shoots global family *celebrates peace with people, other animals and the environment* each year near September 21, the UN International Day of Peace.

To learn more about how you or your Roots & Shoots group can celebrate Roots & Shoots Peace Day, visit: www.rootsandshoots.org/peaceday or join us on Facebook: www.facebook.com/RootsandShootsPeaceDay.



By Fernando Turmo

Roots & Shoots Project Examples

GARDEN OF HOPE

Sydney & Leah, Georgetown, ON

High school students Sydney and Leah believe that a lot of young people spend so much time in front of screens and cell phones, they have become disconnected from nature. So, working with the students at Park Public Elementary School in Georgetown, Ontario, the duo built six raised planter beds that will house a variety of plants and flowers. Each grade will decide what they'd like to see growing in their planter, from an assortment of herbs to peppers, tomatoes, and onions.

Sydney and Leah called their initiative The Garden of Hope, as they believe it will allow students to engage with nature and learn about sustainability while gaining

practical gardening skills. The energetic teens also made the most of their networks: their dads helped them build the beds, the local Home Hardware donated building materials, and the City of Halton provided three years' worth of compost.





FINDING SOLUTIONS TO FOOD WASTE

Westmount Charter School-Elementary Campus, Calgary, AB

When the third-grade students at Calgary's Westmount Charter School decided to tackle the issue of food waste, the first thing they did was invite guest speakers from COSTCO and the Calgary Food Bank to speak to the school about the issue. The students discovered that 50% of food waste in landfills is generated by private homes, and that a community composting program could significantly reduce this number. The fourth graders subsequently implemented a composting program in the classroom, and have now written letters to the Mayor of Calgary and Members of the Legislative Assembly of Alberta asking that the city follow their example by initiating community-wide composting.



WATER WALK

Kitaskinaw School, Enoch Cree Nation, AB

The entire school on this First Nation Reserve took part in a march around the community to raise awareness about improving our relationship with water and treating it as a relative, not just a resource. In preparation for the walk, Cree Elders shared their teachings on the use of water in traditional drum and rattle making.





MAKING LIFE BLOOM ON A GRAVEL LOT

Stand Up, Standout Committee, Vanguard School, Montreal, QC



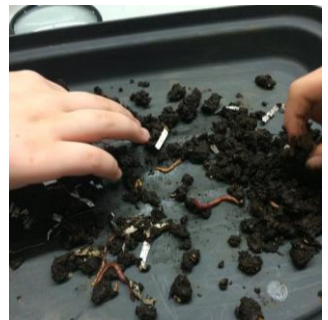
Middle and high school students in Montreal built and planted a school greenhouse to:

- promote healthy eating,
- reduce their eco footprint by providing the school cafeteria with local, fresh produce
- provide for the community kitchen and food bank.

RED WIGGLERS

WISE Kid-Netic Energy Girls Club, Winnipeg, MB

The WISE Kid-Netic Energy Girls Club at the University of Manitoba learned about the value of composting and implemented vermiculture programs in their communities.



MEDICINE WHEEL CLASSROOM

Terrace Ridge School, Lacombe, AB

This K-7 school designed and built an outdoor classroom in the shape of a Cree Medicine Wheel. Students lead the planting and maintenance each



year, ensuring they use native plants that create wildlife habitats. The classroom was blessed by a local Cree Elder and has become a beautiful meeting place used by the school and community alike.

Step 4: Celebrate



In the final and very important step of the Roots & Shoots Journey, young people celebrate and reflect upon:

- what they have learned
- the difference they have made
- how they may see themselves and their role in the world differently
- how this experience will inform their next project (and their lives)

This is also the time to share with us the story of their project.

Explore Further

- Apply for a Roots & Shoots Grant: <https://janegoodall.ca/our-work/roots-and-shoots/grants/>
- Become a Roots & Shoots School: <https://janegoodall.ca/our-work/roots-and-shoots/educators/>
- Explore Our Stories: <https://janegoodall.ca/our-stories/>
- See Dr. Jane speak: <https://janegoodall.ca/join-us/events/>
- Get inspired on our YouTube Channel: www.youtube.com/user/JaneGoodallCAN
- Connect with @JaneGoodallCAN on Facebook, Twitter, Instagram & SnapChat



