



Jane Goodall's
roots&shoots

JGI'S ROOTS & SHOOTS AROUND THE WORLD

All around the world people are getting involved with Roots & Shoots projects. Each one of them is doing their bit to help protect this planet and the people and animals who live on it. This activity highlights six activities that have been done from different countries around the world. This is a great activity to help you see how your small efforts can all add into a much larger picture of people everywhere trying to make our world a better place.

IN THIS ACTIVITY YOU AND YOUR STUDENTS WILL:

- ▶ Take a look at six different Roots & Shoots projects from six different countries around the world.
- ▶ Think about how each country context can affect what projects you are able or should do.
- ▶ *Optional:* Choose one of the projects to adapt for your context and put it into action!

OBJECTIVES

Carrying out this activity will help students see that:

- ▶ Schools all around the world are involved with Roots & Shoots projects.
- ▶ Different countries have different issues and problems to tackle and so different activities need to be done.
- ▶ Sometimes, the same activity could be carried out, but you will probably need to adapt it for your own situation.

WHAT DO I NEED TO MAKE IT WORK?

For this activity you will need materials for creating the wall display and if you decide to put one of the activities into action you will need to gather the resources to do it.

WHAT THINGS WILL MY STUDENTS CREATE?

- ▶ A world map wall chart displaying the projects and some information on the country it has been done in.
- ▶ *Optional:* The results of their chosen project.

SIX ROOTS & SHOOTS ACTIVITIES

Here are six Roots & Shoots activities from around the world with a few facts and figures about each country they are from. Facts and figures come from these sources: Numbeo (goo.gl/aw8CS3) and Wikipedia (en.wikipedia.org).

Take a look at each of the following activities with your students. Spend a bit of time thinking about the country they have been done in. Maybe use some of these questions to get some discussion going:

- ▶ What would it be like to live there?
- ▶ Would they consider the people to be well off or not so well off?
- ▶ What would the weather be like?
- ▶ What animals might they see if they visited?
- ▶ Why is it important to do this activity in this country?
- ▶ How could we do the activity in our country?

GHANA FACTS:

- ▶ **Population:** 27 Million people.
Average monthly Salary: £245.66
Cost of a loaf of bread: £1.20
- ▶ **Climate:** Tropical with two seasons, wet (goo.gl/bwsTWb) and dry (goo.gl/j0aZUo).
- ▶ **Wildlife:** Ghana has an array of wildlife (goo.gl/FjZd5D), although populations have been drastically reduced by habitat loss and poaching. Ghana is an important country for dozens of endangered or near-extinct animals including primates such as the Red Colobus monkeys and chimpanzee; big cats such as the lion and leopard; African elephants and water-birds.



Map: By Image source: Martin23230;*
Derivative work: by Marcos Elias de Oliveira Júnior talk! + — Marcos Elias de Oliveira Júnior fala! +(contact here) - File: Africa (orthographic projection).svg, Martin23230, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=15556564>

ACTIVITY: FOREST CONSERVATION ([Goo.gl/z9VZ78](http://goo.gl/z9VZ78))

- ▶ **Project Aim:** To protect the forest supplies which contains a natural source of potable water for the community. To confine and protect the remaining piece of natural forest left that is home especially to spot nosed and green monkeys and other indigenous birds from encroachment and pollution.
- ▶ **Result:** We were able to acquire old tyres to create a barrier against vehicles from fording the stream and wood planks to construct a walkover bridge. We also brought along different tree species to plant in the forest and tools for work. Tools like saws, hammers, nails, spades, shovels and machetes. We teamed up with the forest keepers and some of the youth to do work. Trenches were dug to embed the tyres halfway and to align them properly. Another team helped construct a simple footbridge using logs and planks. One team was also engaged in planting some of the 40 different tree species. There was time also to feed the monkeys with bananas.

HOW COULD THIS BE DONE WHERE YOU ARE?

You may not need to protect the community water source or the local monkeys, but saving water in your school and home and encouraging local wildlife you could do. The roots and shoots website (www.rootsnshoots.ae/resource) has some activities to help you think about this (Three on water saving and one urban safari).

GERMANY FACTS:

- ▶ **Population:** 82 Million people.
- ▶ **Average monthly Salary:** £1,852.02
- ▶ **Cost of a loaf of bread:** £1.17
- ▶ **Climate:** temperate seasonal climate (<http://goo.gl/s5l3Zw>).
- ▶ **Wildlife:** Wild animals include roe deer, wild boar, mouflon (a subspecies of wild sheep), fox, badger, hare, and small numbers of the Eurasian beaver.



Map: By NuclearVacuum - File:Location European nation states.svg, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=8087888>

ACTIVITY: REFUGEE ACTION (goo.gl/LB0B9K)

- ▶ **Project Aim:** To help the refugees in our area.
- ▶ **Result:** We had an amazing year!
 - ▶ We offered German courses for adults every Tuesday and Thursday from October through to June. Students helped the teachers as classroom assistants, and parents offered tutoring sessions on Wednesday and Friday. During the courses, students offered childcare, so that mothers could attend the classes.
 - ▶ We offered three hours of English instruction/week from April-June to unaccompanied minors at a school on our campus.
 - ▶ We had toys and clothes drives, so that we could put together individualized, decorated gift bags for every refugee child under 4 in our town.
 - ▶ We had twice weekly play groups in the spring for young refugee children from the housing behind our school.
 - ▶ We had lots of fundraisers throughout the year, and the money went to finance our other projects. We had €400 leftover and used it to buy swim passes for local refugee children.

HOW COULD THIS BE DONE WHERE YOU ARE?

In recent years, Germany has taken in a lot of refugees, so there is a big need for action in this area for them. Are there refugees or other people groups in your area who need a helping hand? Could you and your school raise funds or gather toys and clothes to send out to refugees in other countries like Germany? Here is an interesting blog post about refugees in UAE: goo.gl/eYfawl

AZERBAIJAN FACTS:

- ▶ **Population:** 9.75 Million people.
Average monthly Salary: £202.32
Cost of a loaf of bread: £0.18
- ▶ **Climate:** 9 out of 11 existing climate zones (goo.gl/ulaLBI) are present in Azerbaijan.
- ▶ **Wildlife:** The national animal of Azerbaijan is the Karabakh horse (goo.gl/AzCZdm), a mountain-steppe racing and riding horse endemic to Azerbaijan, lots more details here: goo.gl/IUh22D.



Map: By Interfase - Self-made from Azerbaijan (orthographic projection).svg, Public Domain, <https://commons.wikimedia.org/w/index.php?curid=19232574>

ACTIVITY: JUNK 'N STUFF ([HTTPS://400.GL/1Z4TYF](https://400.gL/1Z4TYF))

- ▶ **Project Aim:** To inform the local community that we can reuse our junk to make interesting objects.
- ▶ **Result:** We have started a recycling scheme in our school. We also reused rubbish to make fun junk art and plant containers; then we sold some of them to raise funds for charity and other projects we might do in future. The next step is to open links with the local recycling plant to encourage recycling in our community.

HOW COULD THIS BE DONE WHERE YOU ARE?

The need for people to reduce, reuse and recycle our waste seems to be an international problem, you could very easily replicate this activity in your school!

PHILIPPINES FACTS:

- ▶ **Population:** 100 Million people.
Average monthly Salary: £249.58
Cost of a loaf of bread: £0.82
- ▶ **Climate:** Tropical with two seasons, wet (goo.gl/bwsTWb) and dry (goo.gl/j0aZUo), but this could be split into 4 types due to varying rainfall through the year (goo.gl/DI2ZPN).
- ▶ **Wildlife:** native animals include the palm civet cat (goo.gl/6SdeRP), the dugong (goo.gl/d1kIUj), the cloud rat (goo.gl/THHksQ) and the Philippine tarsier (goo.gl/gQjg2p).



Map: By Addicted04 - Own work with Natural Earth DataThis vector image was created with Inkscape., CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=16488530>

ACTIVITY: MARINE TURTLE EDUCATION ([HTTP://400.GL/1DLKK3](http://400.gL/1DLKK3))

- ▶ **Project Aim:** An information drive among locals namely the schools, coastal communities, government agencies, and concerned citizens about Philippine sea turtles and their conservation.
- ▶ **Result:** The team focused in visiting 25 secondary schools in

Sarangani Province for wider scope of information campaign by providing them Information, Education, and Communications (IEC) materials such as eco-posters and pamphlets to reinforce its message. From the 5000 brochures printed, we have distributed 2167 pieces in all coastal schools we have visited. The rest will be used during community visits in the future activities. This was the first activity in our marine turtle conservation education project in Sarangani Province!

HOW COULD THIS BE DONE WHERE YOU ARE?

Of the seven recognised species of marine turtles in the world, four occur in the waters of the UAE; the green turtle (goo.gl/qll9Ex), the hawksbill turtle (goo.gl/k2P9mO), the loggerhead turtle (goo.gl/AuKB4X) and the huge leatherback turtle (goo.gl/gEDioB), find out more about them and their habitat and how people can help protect them, then you could produce your own information leaflets and posters! Are there other endangered animals where you live that you'd like to champion?

NEPAL FACTS:

- ▶ **Population:** 26.5 Million people.
Average monthly Salary: £129.98
Cost of a loaf of bread: £0.33
- ▶ **Climate:** Nepal has five climatic zones, broadly corresponding to the altitudes. The tropical and subtropical zones lie below 1,200 metres (3,937 ft), the temperate zone 1,200 to 2,400 metres (3,937 to 7,874 ft), the cold zone 2,400 to 3,600 metres (7,874 to 11,811 ft), the subarctic zone 3,600 to 4,400 metres (11,811 to 14,436 ft), and the Arctic zone above 4,400 metres (14,436 ft).
- ▶ **Wildlife:** Among the several species of mammal found in Nepal, notable are the Bengal fox, Bengal tiger, clouded leopard, corsac fox, Indian rhinoceros, Indian elephant, marbled cat, red panda, snow leopard, Tibetan fox, and Tibetan wolf. Some of these, including the internationally recognised snow leopard are endangered and at risk of extinction.



Map: By Addicted04 - Own work with Natural Earth DataThis vector image was created with Inkscape., CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=16488530>

ACTIVITY: FOOD AND HEALTH (400.gL/RVLRWN)

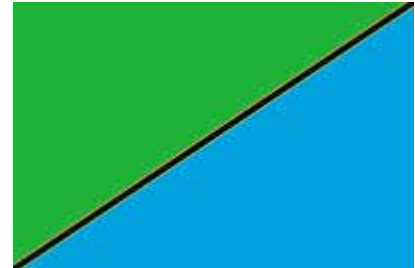
- ▶ **Project Aim:** To advocate for healthy food in our school canteen. To collaborate with the canteen and help them maintain sanitation in the canteen and provide a healthy menu for the students.
- ▶ **Result:** We involved other students besides the Roots & Shoots group in this project to get their suggestions and feedback for the canteen. Next, we talked with the canteen members and suggested a healthy menu for students. We also encouraged them to use hair caps and gloves while serving us food. However, we believe that it is a give and take affair. So we have started to maintain hygiene in our canteens for ourselves. For example, usually students leave their plates on the tables after they are done with their lunch, so we introduced a bin in the canteen where the students can put their used plates once they are finished with their lunch. Also, we set up a waste decomposer from the canteen and used it later as manure for the school garden.

HOW COULD THIS BE DONE WHERE YOU ARE?

Does your school serve healthy food in the canteen? Or at least have a healthy option? Have you found out what hygiene precautions are taken by the kitchen staff? You could ask your School's kitchen team what has changed over the years and make a display for the canteen. Or, find ways to encourage other children in the school to want to eat health foods ... or you could grow your own and start an organic vegetable garden!

TANZANIA FACTS:

- ▶ **Population:** 51 Million people.
Average monthly Salary: £677.91
Cost of a loaf of bread: £0.54
- ▶ **Climate:** The climate is tropical and coastal areas are hot and humid, while the northwestern highlands are cool and temperate. There are two rainy seasons; the short rains are generally from October to December, while the long rains last from March to June. The central plateau tends to be dry and arid throughout the year.
- ▶ **Wildlife:** Tanzania contains some 20 percent of the species of Africa's large mammal population. Northern Tanzania is famous for its extensive migratory herds of wildebeests and zebra and, of course, Gombe Stream National Park is the site of Jane Goodall's ongoing study of chimpanzee behaviour.



Map: By Addicted04 - Own work with Natural Earth Data
This vector image was created with Inkscape.,
CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=16488530>

ACTIVITY: AVO(ADO PLANTING ([HTTPS://400.GL/VR\(QNF\)](https://400.gL/VR(QNF)))

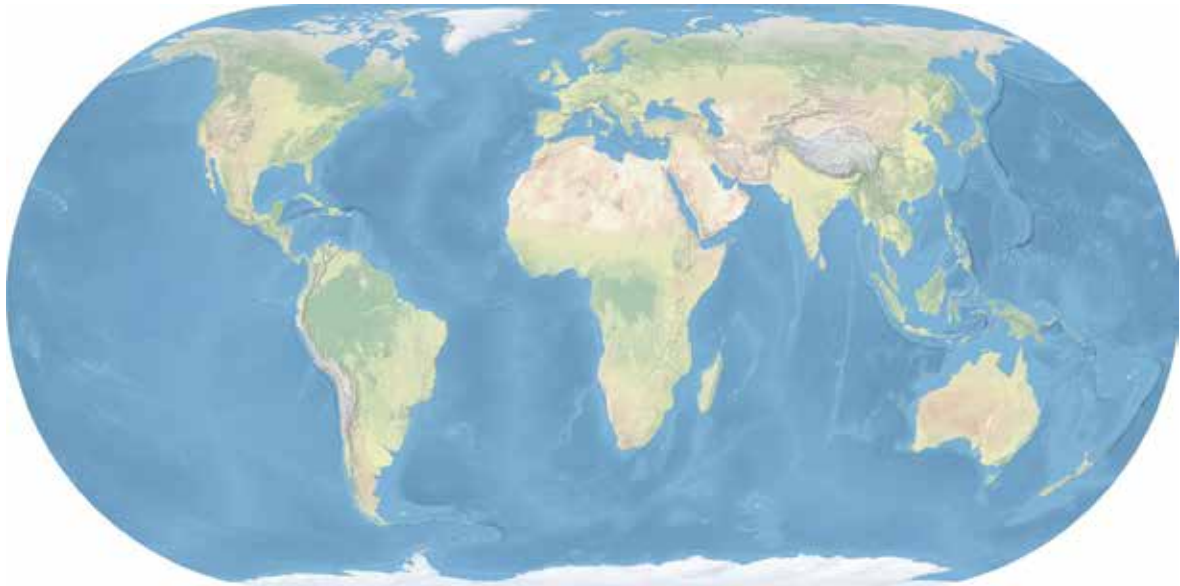
- ▶ **Project Aim:** To teach children how to make tree seedbeds (avocados), they learn to take care of the seeds until ready for planting around the Church and our Community.
- ▶ **Result:** We created a seedbed out of used milk packets, we collected avocado seeds from Iringa Market and planted seeds in our seedbeds for 60 days. After 60 days we kept watering for another 60 days; we added some pig manure to boost nutritional support and watered for 30 more days. In August the 175th day, we started planting around the local Church and neighbourhood. In our church we planted 30 trees and in our neighbourhood we planted 30 more. We also have another 150 trees that we will sell to raise money for our upcoming flower project.

HOW COULD THIS BE DONE WHERE YOU ARE?

Do avocado trees grow in your country, maybe you could find out for us and report back? ... If not, you could find out which fruit producing trees grow well in your country and do as they did in Tanzania, grow loads, plant some and sell the rest to raise funds for another project!

CREATE YOUR ROOTS & SHOOTS AROUND THE WORLD WALL DISPLAY

Now that you've spent some time looking at the kinds of activities that have been going on around the world, create a wall display as a reminder for your class and to help educate others in your school.



Map: By Ktrinko - Own work, CC0, <https://commons.wikimedia.org/w/index.php?curid=17169364>

Here are some maps of the world to get you started:goo.gl/6UizHS

Present the information you've learnt however you like. We'd suggest having an area for each country and international activity around the edge of the map, with a piece of string or ribbon attached to a pointer showing where the country is on the map. Decorate it with images of the animals or people you might see or how you imagine their activity might look.

GET ACTIVE!

Now that you have spent some time thinking about what other people are getting on with, why not put one of them into action!

Firstly you will need to think about how to adapt the activity for your location, community and environment, then put your thoughts into action.

Hopefully you've noticed that we've given some pointers on how you might do each activity, but don't be constrained to those ideas, and please let us know what you are up to by uploading your story to www.rootsnshoots.ae

GET INVOLVED

TELL US HOW YOU GOT ON!

When your work is finished, we'd love to see what you did! If you already have an account you can upload a story with images to Roots & Shoots UAE (www.rootsnshoots.ae) and write a story or create an online gallery on the website. If you don't already have an account then just send us an email to MrH@rootsnshoots.ae and we can set you up!

KEEP UP TO DATE WITH JANE GOODALL'S ROOTS & SHOOTS UAE

As well as the website at www.rootsnshoots.ae you can also find us on Facebook at www.facebook.com/RootsnShoots.ae or on Twitter as @JaneGoodallUAE

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