

eco*i*SLaNd

SUMMER CAMP

AGES 9-12



Program Overview

INTRODUCTION

Eco-Island is a program of camp activities designed to engage children aged 9-12 years in environmental learning in a fun and interactive way. Through nature walks, games, crafts, and activities based around five camp themes – The Natural World, Composting, Reducing & Reusing, Recycling, and Earth’s Resources – camp participants gain an appreciation for the natural environment while learning how to play a role in protecting the earth.

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CAMP FRAMING

To create a sense of adventure, each of the five daily Eco-Island camp themes is introduced with a message in a bottle from a group of kids who have found themselves shipwrecked on a deserted island. As they struggle to survive in a new place, “Eco-Islanders” will pose questions to camp participants about how they can live on what the island has to give them. Using what they learn through the five daily camp themes, camp participants will send a letter back to the Eco-Island each day to give Eco-Islanders advice on how they can learn from nature and follow the 3Rs and composting to live with less. An Intro and Outro activity is provided (in the following pages) to help facilitators begin and end each day with a message to and from Eco-Island.

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ACTIVITIES

The Eco-Island camp program is broken down into 5 daily themes: The Natural World, Composting, Reducing & Reusing, Recycling, and Earth’s Resources. Each daily theme has a series of related activities including nature walks, running games, activities, and crafts. The Eco-Island activities are appropriate for children aged 9-12 years. Many of the activities show a larger age range (5-12 years) as they can be modified for younger children but are still appropriate for the older age group.

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SAMPLE SCHEDULE

The Eco-Island camp program can be delivered in its entirety as a week-long half-day camp, or by pulling specific daily themes or activities to fit with your own summer camp program schedule. If you choose to run the week-long camp, a sample schedule is included to help you organize camp activities (see reverse).

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MATERIALS

A complete list of the materials you will need to carry out the Eco-Island camp program in its entirety is provided. Material lists for specific activities can be found throughout this resource guide. In keeping with the Eco-Island message, most of the required materials are items that can be found in your home or recycling bin. Many of the printed materials and images you will require are provided alongside the activity descriptions. Materials are based on a maximum number of participants (20).

ECO-ISLAND CAMP

Eco-Island Camp Sample Schedule

	MONDAY The Natural World	TUESDAY Composting	WEDNESDAY Reduce & Reuse	THURSDAY Recycling	FRIDAY Earth's Resources
9:00-9:15	INTRO Message in a Bottle	INTRO Message in a Bottle	INTRO Message in a Bottle	INTRO Message in a Bottle	INTRO Message in a Bottle
9:15-9:30	WARM UP 3R Tongue Twister	WARM UP Speed Acting	WARM UP Evolution	WARM UP Recycle-mercials!	WARM UP "Whoo" Am I?
9:30-9:45	ACTIVITY Waste Audit Set UP	RUNNING GAME Earth Machine	RUNNING GAME Reuse Clues Rescue	RUNNING GAME Garage Bag Tag	NATURE WALK Where on Earth?
9:45-10:00	RUNNING GAME Moose on the Loose	NATURE WALK 100 cm Hike	NATURE WALK 3R Hike	ACTIVITY The Amazing Recycle Race	
10:00-10:15	NATURE ACTIVITY Meet a Tree				
10:15-10:30	BREAK	BREAK	BREAK	BREAK	BREAK
10:30-10:45	ACTIVITY The Web of Life	ACTIVITY Composting with Worms	ACTIVITY Waste-Free Shopping Challenge	RUNNING GAME Juice Jug Lacrosse	ACTIVITY Dirt for Lunch
10:45-11:00	NATURE WALK Follow the Rainbow		RUNNING GAME Waste Reduction Relay	CRAFT Making Recycled Paper	RUNNING GAME Earth's Four Corners
11:00-11:15					ACTIVITY Supernatural Sorting
11:15-11:30	NATURE WALK Super Un-Natural Hike	CRAFT Organic Magic Bags	CRAFT Garbage Art	RUNNING GAME Bin Buddies	CRAFT My Earth Promise
11:30-11:45					
11:45-12:00	OUTRO Message to Eco Island	OUTRO Message to Eco Island	OUTRO Message to Eco Island	OUTRO Message to Eco Island	OUTRO Message to Eco Island

Message in a Bottle

Day 1-5 Intro/Outro

TIME 10 minutes
GROUP SIZE 2-20 participants
AUDIENCE 9-12 years

DESCRIPTION

At the beginning of the day, participants will receive a message in a bottle from the Eco-Islanders posing a question about survival on Eco-Island. At the end of the day, participants will write a message back to Eco-Island, providing Eco-Islanders with advice based on what they learned from camp.

MATERIALS

- * A glass bottle
- * 5 pre-written messages (provided)
- * A piece of paper and a pen

KEY MESSAGES

- * The Eco-Island (like our island of Newfoundland) has everything the survivors need to live – food, water, shelter, air – but they must learn how nature gives them these things by investigating the island.
- * The survivors must use the resources on the island wisely and reduce their waste, so the island can continue to provide them with all they need to live.
- * We can learn from the Eco-Islanders how to live with less.
- * We can help the Eco-Islanders learn by sharing our experiences in nature with them.

MANAGEMENT SKILLS

- * Don't give away the idea that every morning the campers will receive a new message in a bottle (even if it's obvious), and what the theme will be. Try to keep the air of mystery going!
- * Remember to replace the message each morning to fit the theme of the day.

Message in a Bottle CONTINUED

Day 1-5 Intro/Outro

PROCEDURE

INTRO MESSAGE IN A BOTTLE

STEP 1

Have all participants sit in a semi-circle in front of you. Take out the bottle (with the message poking out of the top), and explain how you got the bottle.

STEP 2

You can insert some humour in to this part, for example: "I was walking along the waterfront this morning, and I saw a seagull sitting on this bottle! I noticed this piece of paper sticking out, so I grabbed a fishing net and pulled the bottle in."

STEP 3

Tell participants you are really excited to read the message inside – do they want to hear it? Read the message in the bottle aloud.

STEP 4

Ask participants if they would like to help the Eco-Islanders. Tell them that throughout the day they may learn things that will help the Eco-Islanders survive. Tell participants that at the end of the day they can send a letter back to the island to share anything that may help them live on Eco-Island.

OUTRO MESSAGE TO ECO-ISLAND

STEP 1

Have campers sit around in a semi-circle around you, and ask them what they learned that day at camp.

STEP 2

Ask them the question: "Did we learn anything that will help the Eco-Islanders? What can we tell them about their island that will help them become better friends to their environment?"

STEP 3

Write back a message to the survivors based on the campers suggestions. Put the message in the bottle, and tell them you will send it off when you leave camp!

STEP 4

Encourage discussions about the theme of the day. Ask campers what they enjoyed BEST.

HELLO?? IS there anybody out there??

If you have found this message - we need your help! We are a group of survivors that crashed on a deserted island somewhere in the Atlantic Ocean. We were happily enjoying our Caribbean cruise when a terrible storm knocked us off course; we thought we were goners, but luckily we made it through the winds and the waves. When the storm passed, we came on deck of the boat only to realize that we had crashed on a beach.

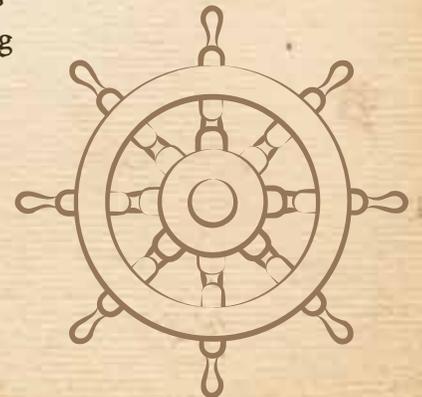
We have no internet connection, there is no cell phone reception, and we have no means of contacting anyone. We don't believe that anyone is looking for us, and we are not even sure where we are! We are stranded on some sort of untouched "Eco-Island" and are desperate for someone to help us survive until we get rescued. We have explored the island and will describe to you what we have seen. If you close your eyes, it will help you picture the island in your mind.

The ocean that surrounds the island is a clear, blue-green color. If you take a deep breath in, you can smell the fresh, salty ocean water. The beach sand here is very fine; we have been walking around barefoot, wiggling our toes in the soft, warm sand. The beach leads to a thick forested area with many types of trees that grow taller than houses. If you look way, way up you can just see the top canopies with the long, broad leaves that provide shade in the forest. Some trees have fruits that drop from the branches with a THUD, like coconuts, plums, and peaches. The plants and flowers also grow very tall here, and are every color of the rainbow. We know that there are other animals on the island as well, because we have heard loud birds calling and chirping, especially the owls going "WHOO! WHOO!". We stumbled upon a trickling brook that runs through a very quiet part of the forest. Even at night you can hear the "trickle, trickle, trickle" of the water running over the smooth pebbles.

As you can tell, there is nothing here for us! How will we possibly survive without our fridges full of food, our houses which shelter us from the weather, our taps which provide us with fresh, clean water, and all the other things we have at home that help us live?! There is a lot of garbage from the boat that is spread along the beach. It doesn't look nice, but without garbage cans or recycling bins around, there is nowhere to put it!

We need your help to become super survivors and learn more about this unknown place! Please write back.

SOS
The Eco-ISLANDERS



HELLO OUT THERE!

We received your message and are writing you back to thank you for helping us discover more about this mysterious island. We have a feeling that there is a lot for us to learn here.

We are noticing every day how everything in nature is connected – we watched a spider’s web catch a pesky mosquito, and we remembered how important spiders are for keeping us free of fly bites when we are out in the hot sun! We are also learning that we have to respect nature by keeping the things that don’t belong in nature, **OUT** of nature. There are things from our boat that we thought we could throw into the woods or on the beach, but they don’t look like they belong there. We did a clean-up and collected the garbage – you never know, we might find a use for it later.

We have been drinking the fresh water from the trickling brook, but we are very conscious of how much we use. In nature, it is easy to see how important fresh water is for all creatures to survive. When we bring water back to camp, none of it is wasted.

The fruits that **THUD** on the ground from the tall trees are our main source of food, and they are juicy and sweet! Once we’re finished eating, we throw our pits, seeds, and skins of the fruits in a pile on the beach. This seemed fine at first, but now the pile is starting to smell like rotten food, and flies swarm all around it. We are not sure what to do with all this mess?!

We also dug up some edible plants from the forest, and found tons of worms in the soil. If everything in nature is connected, what job does a worm have?

Some of us are worried we will run out of food, since there are only so many fruit trees and edible plants in the forest. If we find some seeds, maybe we could plant new things – but how can we make sure they will grow?

Please write back.

SOS

The Eco-ISLANDERS



HELLO OUT THERE!

Now that we are making less garbage and learning how to properly compost our fruit and plant scraps, our island looks and smells a lot better! We noticed that our new worm friends have made a happy home in the compost bin that we worked together to build from wood that we collected in the forest. We saw other decomposer organisms in the compost bin as well; it's amazing how all those creatures work together to break down our waste. We are already talking about the wonderful garden we will make – using our compost to help the plants and foods grow.

Now that we know how to keep our stomachs full, we all feel much happier! We are still sleeping in the grass though, without a roof over our heads. Last night it rained and we all woke up soaking wet and uncomfortable!

Being in such a beautiful place has made us think more about our lives at home, and what we do with all the “stuff” we use each day. All of us buy and use a lot of STUFF, and most of it eventually ends up in the garbage. Some of the survivors admitted to buying things that they don't need and even using items that are made to be thrown out – like plastic bags. We started thinking about our daily actions and how we can stop making so much garbage in the first place.

If we can live on Eco-Island without making garbage, is it possible to do this at home too? What are some ways we can cut down on the amount of things that we throw out every day? How can we make our life here as comfortable as it is at home but without making all that garbage?

Please write back.

SOS
The Eco-ISLANDERS



HELLO OUT THERE!

Your last message reminded us of something we learned a long time ago – the 3R's: Reduce, Reuse, and Recycle. We have been doing LOTS of things to reduce our garbage on the island, like not buying things in the first place! We are also getting fresh, healthy food every day from the island, and none of it comes wrapped in plastic.

It is pretty easy to stay away from buying things at a store when you are on a deserted island though. But, we are going to keep all your tips in mind when we get home. We never want to go back to making as much garbage as we did before!

When some of the survivors went for a walk, they noticed a little bird collecting grass and twigs to make a nest in a nearby tree; it was so well camouflaged we never would have noticed it! We decided to use broken ship wreck parts to construct huts and beds for ourselves! Then we collected dead branches, sticks, and leaves from the forest to help our huts blend in with the surroundings, like a bird. Now it feels like we are even more a part of nature than before. And we wake up dry and comfortable too!

We are reducing and reusing so many things around us, but what about recycling? Without recycling bins, Green Depots, or recycling factories, recycling is impossible on Eco-Island...or is it?

Please write back.

SOS

THE ECO-ISLANDERS



HELLO OUT THERE!

Wow – we had no idea that nature teaches us so much about recycling! Recycling is turning something old into something new, which is happening all around us on the island, every day. You helped us realize that recycling is easy if you are creative, so we started our own recycling ideas too! Now we take our old scraps of clothing and weave them together with tall grass to make head scarfs which protect us from getting sunburned. We also have been collecting the paper from your notes to make recycled paper, just like the sheet we are writing on now!

Recycling is exciting, and it is helping us learn that we don't need to waste **ANYTHING!**

When we think about it, nature gives us everything we need, so everything around us must come from the earth. We thought about the things that we have at home – our clothes, shoes, televisions, books, mp3 players, food, juice, toys, and so on, wondering where it came from in the first place. It all must have come from somewhere! But how did it get from there, to us?

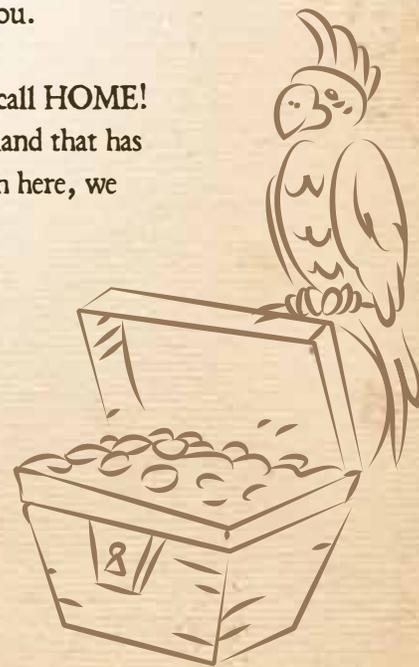
One of the survivors said that each of us throws away about 4.5 pounds of garbage every day, but the rest of us didn't believe that we do that on the island. We measured the amount of garbage that we have made since our five days stranded here, and guess what? We have **ZERO** garbage! We have truly learned that if we put our minds to it, we can reduce, reuse, recycle and compost just like Nature.

In fact, we are all loving Eco-Island so much that we don't want to be rescued! Thank you for everything you have helped us learn, but this will be our last letter to you.

We are all determined to protect our beautiful island that we will now call **HOME!** It's too bad that you guys don't know what it feels like to live on an island that has everything you need to be happy and healthy - oh well! If you ever crash here, we will be sure to show you around.

Please write back – one last time!

SOS
The Eco-ISLANDERS



Waste Audit

TIME
GROUP SIZE
AUDIENCE

1 week to collect waste/30 minutes to audit waste
2-20 participants
9-12 years

DESCRIPTION

Participants will sort their waste into different containers every day for a full week. At the end of the week, participants will sort through their waste to see what and how much they throw away.

MATERIALS

- * Recyclable paper/cardboard bin
- * Recyclable container bin
- * Food waste bin
- * Garbage bin
- * A sign to label each bin
- * Spare bin
- * Gloves
- * Plastic tarp or garbage bag
- * Weigh scale
- * Waste Audit Worksheet (provided)

KEY MESSAGES

- * In our province, each of us produces 4.5 lbs (2.2 kg) of garbage each day – equivalent to 400,000 tonnes (the weight of 80,000 elephants) a year. That's a lot of trash!
- * 30% of our waste is organic, while another 37% is paper waste.
- * Much of our waste can be reduced, reused, or recycled instead of ending up in the garbage bin.
- * Some of our food waste can be composted.
- * Reduce is the most important R since it stops us from creating garbage in the first place.
- * We need to see how much garbage we are making in order to think differently about it.

MANAGEMENT SKILLS

- * Make sure that custodial staff does not empty your bins for a full week. You may have to leave a note.
- * Remind participants to place all of their waste in the correctly labelled bin.
- * Divide up tasks among the group before starting the waste audit. Make sure everyone has a role.
- * Set up bins for garbage as well as all materials you can reuse, recycle, or compost at your camp.

Waste Audit CONTINUED

PROCEDURE

DAY ONE

STEP 1

On day one of the waste audit, set up the bins. Show the bins to the group and explain that you are all going to do a week-long waste audit to see what type of and how much garbage you throw away.

STEP 2

Make sure the participants understand what goes in each bin.

STEP 3

Make a rule that each time someone goes to throw something out, they must look at it and think “Is this REALLY garbage? Where else can it go?” before placing it in the proper bin.

STEP 4

During the week, remind participants about the items that go in each bin.

STEP 5

At the end of the week, you will audit the waste as a group to see how much garbage you created at camp and how much you were able to keep out of the garbage through reducing, reusing, and recycling.

DAY FIVE

STEP 1

At the end of the last day of the week-long waste audit, gather all the participants around the bins.

STEP 2

Lay out tarp on a large floor space, and empty the first bin onto the tarp.

STEP 3

Have a couple of participants count the items on the tarp, place the items in the spare bin, and record the amount on the waste audit worksheet (i.e. Recyclable containers – 20 items).

STEP 4

Have another participant weigh the bin and record the weight on the waste audit worksheet (recyclable containers – 0.5 lbs).

STEP 5

Continue this way until all waste types – recyclable containers, recyclable paper/cardboard, food waste, and other garbage – are counted, weighed, and recorded on the waste audit worksheet.

STEP 6

Tally up the total amount and weigh of all waste. Multiply the total weight of all waste by 52 to see how much waste would be created in one year.

STEP 7

Discuss with the participants how any recycling, composting, or reuse programs you have at camp help reduce the total amount of garbage. Discuss other things you could do at camp to reduce even more waste.

RESOURCES | Waste Audit Worksheet

Camp Name: _____

Number of Campers & Staff: _____

Waste Audit Dates (one week): _____

Waste Material	# of Items	Weight (kg)
Recyclable Paper/Cardboard		
Recyclable Containers		
Food Waste		
Garbage		
Other		
TOTALS		

Total Weight of Waste (kg) x 52 (weeks) = _____ kg of waste / year

Eco-Island Camp Materials

MESSAGE IN A BOTTLE INTRO/OUTRO

- * A glass bottle
- * 5 pre-written messages (provided)
- * A piece of paper and a pen

THE NATURAL WORLD

A WALK IN THE WOODS

- * Script (provided)

MEET A TREE

- * Blindfolds (x 10)

FOLLOW THE RAINBOW

- * A variety of coloured marbles (x 20)
- * A white pillow case

SUPER UN-NATURAL HIKE

- * Items that are not found in nature (x 10)

MOOSE ON THE LOOSE

- * Pylons (or reused pop bottles) (x 4)

WEB OF LIFE

- * A ball of sturdy yarn
- * A hole punch and string (so pictures can be worn around the neck)
- * 20 images of living and non-living things found in nature (provided)

- | | | |
|---------|--------------|---------------|
| 1 Sun | 8 Flower | 15 Frog |
| 2 Wind | 9 Bush | 16 Mosquito |
| 3 Rain | 10 Tree | 17 Bumble bee |
| 4 Log | 11 Beaver | 18 Worm |
| 5 Rocks | 12 Moose | 19 Ant |
| 6 Soil | 13 Trout | 20 Person |
| 7 Pond | 14 Chickadee | |

WASTE AUDIT SET UP

- * Recyclable paper/cardboard bin
- * Recyclable container bin
- * Food waste bin
- * Garbage bin
- * A sign to label each bin

COMPOSTING

100 CM HIKE

- * Magnifying glass (x 10)
- * 100 cm long piece of string (x 10)
- * Pencils (x 20)
- * 100 cm Hike Worksheets (sample provided) (x 20)
- * Clip boards (or hardcover book, for writing on) (x 20)

EARTH MACHINE

- * Pylons (or reused pop bottles) (x 4)

START A WORM COMPOSTING BIN

- * A plastic bin and cover (about 24 x 16 x 12.5 inches)
- * A small collection container and cover (like a large yogurt container)
- * A hand drill (or hammer and nail)
- * A bag of natural peat moss
- * Shredded newspaper (about 2-3 thick papers)
- * 1-2 dozen finely crushed eggshells
- * 1 lb. of red wiggler worms

SUPERNATURAL SORTING

- * Green magic images (provided)
- * Brown magic images (provided)
- * Garbage images (provided)
- * Bean bags (x 30)
- * Green magic bin (x 2)
- * Brown magic bin (x 2)
- * Garbage bin (x 2)
- * Pylons (or reused pop bottles) (x 4)

Eco-Island Camp Materials CONTINUED

ORGANIC MAGIC BAGS

- * Plastic freezer bag (x 20)
- * Twist tie (x 20)
- * Water spray bottle (x 4)
- * Bucket of chopped green waste
- * Bucket of shredded brown waste
- * Bucket of garden soil
- * Organic Magic Bag Instructions (sample provided) (x 20)

REDUCE & REUSE

3R HIKE

- * Envelope marked "Top Secret"
- * Reduce Image (provided)
- * Reuse Image (provided)
- * Recycle Image (provided)
- * Hike Clues 1-7 (provided)
- * Forest Clues 1-9 (provided)
- * Script (provided)

REUSE CLUES RESCUE

- * Reuse Clues (provided) (x 2)
- * Box or bin (x 2)
- * Drawing on paper (x 2)
- * Schoolbag (x 2)
- * Hoodie (x 2)
- * Library book (x 2)
- * Newspaper (x 2)
- * Odd Sock (x 2)
- * Reusable Shopping Bag (x 2)
- * Jam jar (x 2)
- * Jeans (x 2)
- * Teddy Bear (x 2)
- * Pylons (or reused pop bottles) (x 4)

WASTE REDUCTION RELAY

- * 6 labeled bins/boxes –
Recycling (x 2), Composting (x 2), Garbage (x 2)
- * Used beverage containers (x 8)
- * Fake fruit and/or vegetables (x 8)
- * Clean garbage items (x 4)
- * Pylons (or reused pop bottles) (x 4)
- * Hula hoop (x 2)
- * Bucket (x 2)
- * Large wooden spoon (x 2)
- * Tennis ball (with skull and crossbones drawn on it) (x 2)
- * Cracker box (x 2)
- * Yoghurt container (x 2)
- * Aluminum can (x 2)

WASTE-FREE SHOPPING CHALLENGE

- * A bell
- * Shopping list (sample provided) (x 2)
- * Pen (x 2)
- * Reusable shopping bag (x 2)
- * Wasteful grocery items (x 2)
 - * Juice boxes
 - * Individual yogurt
 - * Individually packages cookies
 - * A piece of fruit in a produce bag
 - * A vegetable in a produce bag
 - * Individually packages crackers
 - * Paper napkin
 - * Plastic spoon
 - * A toy with excess packaging
 - * Brown paper lunch bags
- * Waste-free grocery items (x 2)
 - * Jug of juice + reusable water bottle
 - * Tub of yogurt + reusable container
 - * Large package of cookies + reusable container
 - * Fruit with no produce bag
 - * Vegetable with no produce bag
 - * Box of crackers + reusable container

Eco-Island Camp Materials CONTINUED

- * Cloth napkin
- * Metal spoon
- * A toy with no packaging
- * Reusable lunch bag

GARBAGE ART

- * Child safe scissors (x 20)
- * Glue
- * Markers, crayons, and paint
- * Left-over tissue and wrapping paper
- * Scraps of paper
- * Newspaper/flyers
- * Magazines
- * Cereal and cracker boxes
- * Milk containers
- * Popsicle sticks
- * Paper towel rolls
- * Old buttons
- * Bottle caps
- * Other clean “garbage” materials that can be incorporated into a craft

RECYCLING

RECYCLE-MERCIALS

- * A garbage bag filled with 10 random items (these can be anything at all – mix it up!)

THE AMAZING RECYCLE RACE

- * Notepad (x 2)
- * Pencil (x 2)
- * Challenge markers (i.e. pylons or flags) (x 5)

CHALLENGE #1: MATCHING GAME

- * Recyclable items and items they can be turned into (each x 2):
 - 1 Plastic bottle – Plastic ruler
 - 2 Plastic bottle – Fleece jacket
 - 3 Glass bottle – Glass jar
 - 4 Aluminum can – Aluminum foil
 - 5 Old newspaper – Egg carton
 - 6 Juice box – Cracker box
 - 7 Paper – Notebook

CHALLENGE #2: DO YOU KNOW YOUR RECYCLING FACTS?

- * Set of multiple choice questions (provided) (x 2)

CHALLENGE #3: RECYCLING PUZZLES

- * Giant recycling puzzle (x 2) (Make the puzzles from old posters or by drawing pictures. Glue the posters or pictures to cardboard and cut out your giant recycling puzzles!)

CHALLENGE #4: RECYCLED BOWLING

- * Set of five two-litre pop bottles (x 2)
- * Basketball (x 2)
- * Pylons (or reused pop bottles) (x 4)

CHALLENGE #5: RECYCLED TOWERS

- * Aluminum cans (~ 60)
- * Stop watch

GARBAGE BAG TAG

- * Hula hoops (x 3)
- * Small garbage bag (with holes for head and arms) (x 2)

BIN BUDDIES

- * Bin cards (provided)
- * Waste item cards (provided)

JUICE JUG LACROSSE

- * Cut-off juice jugs (x 20)
- * A small ball (i.e. a tennis ball)
- * Two nets (or something to serve as a net, like a bin tipped on its side)

Eco-Island Camp Materials CONTINUED

MAKING RECYCLED PAPER

- * A bin of scrap paper/newspaper
- * Blender/food processor
- * Warm water (enough to fill 5 bins ¼ full)
- * Bins/basins (x 5)
- * Screens (fly screen stapled to a wooden frame and small enough to fit in the bins) (x 5)
- * Sponges (x 5)
- * Dish towels (x 20)
- * Flower seeds, petals, and pine needles (optional)

EARTH'S RESOURCES

"WHOO" AM I?

- * Paper headbands (x 20)
- * 20 animal images (provided):

1 Beaver	8 Mosquito	15 Squirrel
2 Moose	9 Bumble bee	16 Ladybug
3 Hare	10 Worm	17 Fox
4 Bear	11 Ant	18 Caribou
5 Chickadee	12 Butterfly	19 Jellyfish
6 Crow	13 Beetle	20 Whale
7 Frog	14 Trout	

WHERE ON EARTH

- * Earth/Farming image (provided)
- * Earth/Forestry image (provided)
- * Earth/Mining image (provided)
- * Earth/Oil and Gas image (provided)
- * Earth clue card (provided)
- * Envelope marked "Top Secret"
- * 20 everyday item image cards (provided)
- * Script (provided)

EARTH'S FOUR CORNERS

- * Farming image (see Where on Earth)
- * Forestry image (see Where on Earth)
- * Mining image (see Where on Earth)
- * Oil and Gas image (see Where on Earth)
- * 20 everyday item image cards (see Where on Earth)

DIRT FOR LUNCH

- * Paper for all participants
- * Crayons for all participants
- * A glass of dirt

WASTE AUDIT

- * Recyclable paper/cardboard bin
- * Recyclable container bin
- * Food waste bin
- * Garbage bin
- * A sign to label each bin
- * Spare bin
- * Gloves
- * Plastic tarp or garbage bag
- * Weigh scale
- * Waste Audit Worksheet (provided)

MY EARTH PROMISE

- * Very small twigs
- * Leaves
- * Pine needles
- * Flower petals
- * Pebbles, sand, dirt
- * White glue
- * Scissors
- * Cardboard or paper (recycled or reused)
- * Markers or paint