

LO: CASE STUDY: ATTEMPTS TO SUSTAINABLY MANAGE AN AREA OF TROPICAL RAINFOREST- *SAMASATI, COSTA RICA*

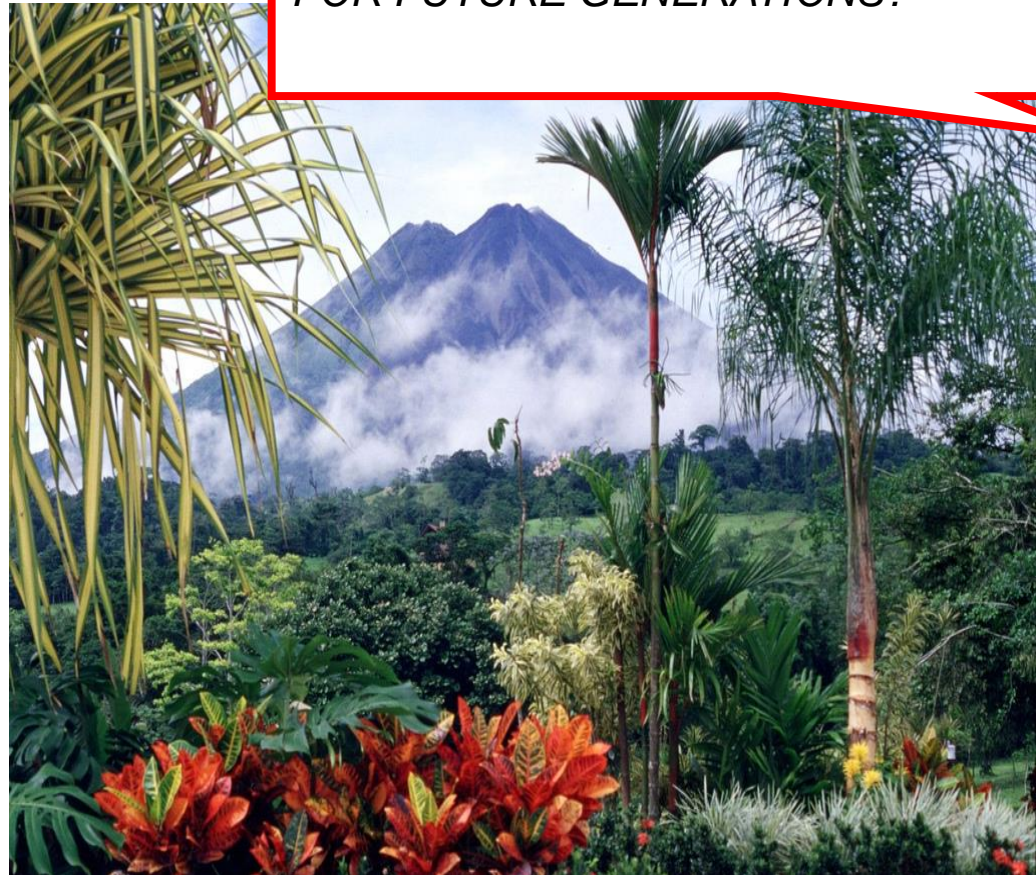
SUCCESS CRITERIA: I CAN...

- *IDENTIFY... (1-2)*
- *DESCRIBE... (3-4)*
- *EXPLAIN... (5+)*

...HOW THE TROPICAL RAINFOREST CAN BE MANAGED SUSTAINABLY.

SUSTAINABILITY: *this approach places emphasis on improving the current quality of life but still maintaining resources for the future; it is a balance of providing social, economic and environmental benefit for the long term.*

HOW CAN WE PROTECT THIS PLACE FOR FUTURE GENERATIONS?



Costa Rica – Arenal volcano and National Park

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WHERE IS THE SAMASATI Nature Retreat LOCATED?



3. CONTINENT?

SUCCESS CRITERIA: I CAN...

- IDENTIFY... (1-2)
- DESCRIBE... (3-4)
- EXPLAIN... (5+)

...HOW THE TROPICAL RAINFOREST CAN BE MANAGED SUSTAINABLY.



4. STATE?

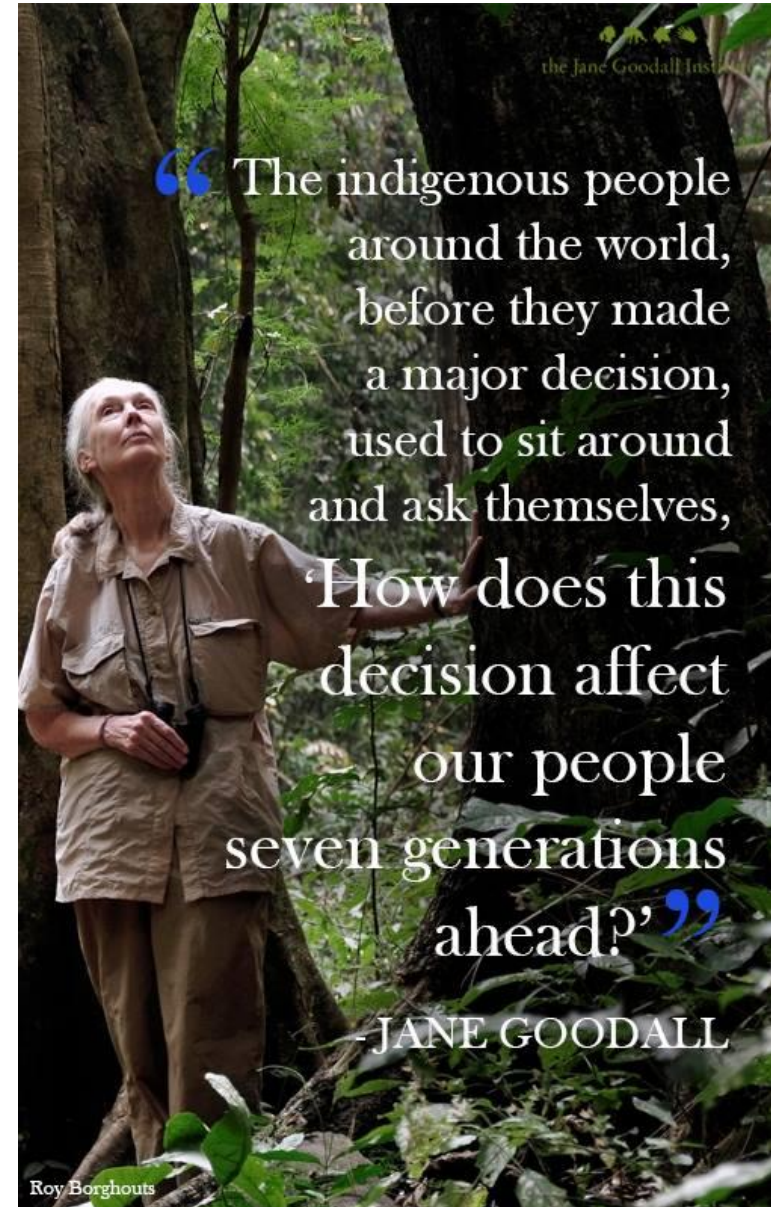
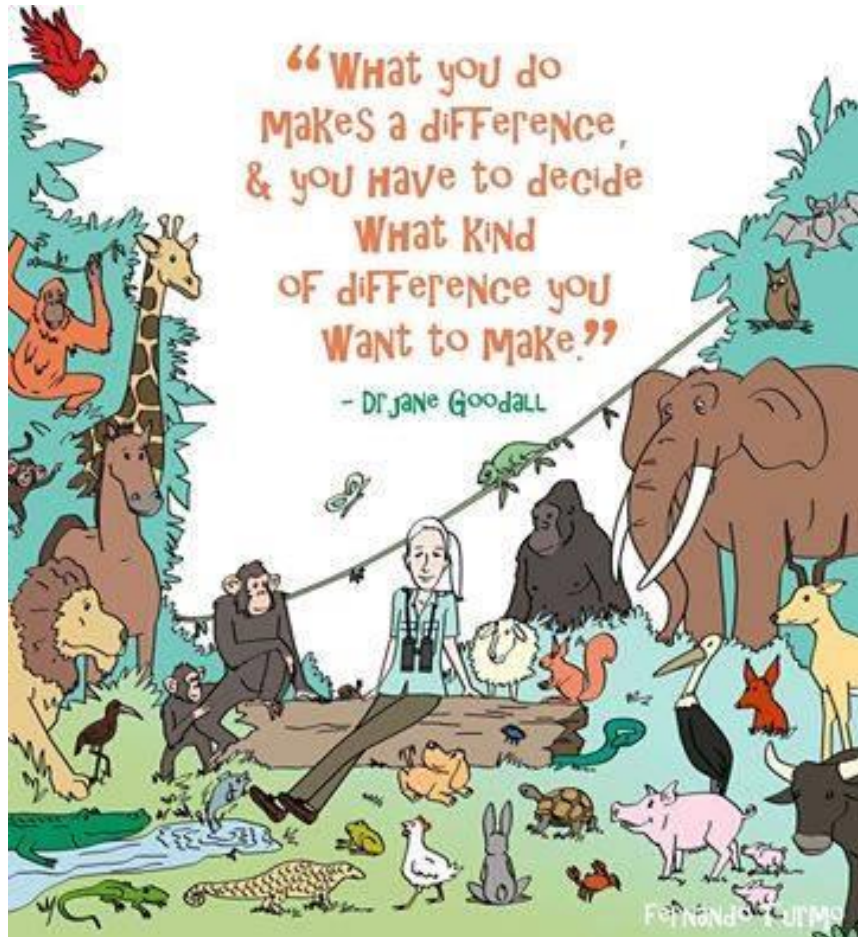
1. DIRECTION?



2. COUNTRY?

The Samasati Nature Retreat is located on the ___ 1 ___ coast of ___ 2 ___ (country), which is located in the continent of ___ 3 ___. It is located in the ___ 1 ___ part of the state of ___ 4 ___, in the ? hemisphere.

#Motivation



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Identify two reasons WHY the Costa Rican rainforest is/was under threat from deforestation?
[TIP: quote statistics to give an idea of the SCALE of the problem]
BONUS: When was the problem greatest?

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List 9 ways in which the Costa Rican government has tried to solve the problem [1-2]
Describe how these help protect the forest [3-4]
Explain how these strategies are sustainable [5+]

Scheme	Socially	Economically	Environmentally
National Parks	☺ Protects lifestyles	☹ No \$ gain	☺ Forest kept ☺ Biodiversity kept
Nature Reserves	☺ Educate people	☺ Admission fee pays for upkeep	☺ Biodiversity kept ☹ disturbance
Wildlife Corridors	☺ Keeps animals & people separate	☺ Patrols to stop illegal poaching	☺ Biodiversity kept
Agroforestry	☺ Self sufficient people; healthy foods	☺ Extra income; ☺ reduced food imports	☺ Reduces flood & erosion risk
Selective Logging			
Pay landowners to keep forests			
Afforestation			
Monitoring			
Make Laws			

LO: CASE STUDY: ATTEMPTS TO SUSTAINABLY MANAGE AN AREA OF TROPICAL RAINFOREST- *THE SAMASATI NATURE RETREAT IN COSTA RICA*

What is a nature retreat? [1-2]

What 'e' is it an example of? [1-2]

Describe the activities that are on offer to holiday makers? [3-4]

Who would this holiday appeal to? [1-2]

Apply the 'stool' – how is it sustainable? [5+]

What might the future hold? [5+]

SUSTAINABILITY: this approach places emphasis on improving the current quality of life but still maintaining resources for the future; it is a balance of providing social, economic and environmental benefit for the long term.



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3-Legged Sustainability Stool



Quality of Life / Genuine Wealth / Genuine Progress



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 - DESCRIBE... (3-4)
 - EXPLAIN... (5+)
- ...HOW THE TROPICAL RAINFOREST CAN BE MANAGED SUSTAINABLY.

LO: CASE STUDY: ATTEMPTS TO SUSTAINABLY MANAGE AN AREA OF TROPICAL RAINFOREST- *The Samasati Nature Retreat*

SUCCESS CRITERIA: I CAN...

- IDENTIFY... (1-2)
- DESCRIBE... (3-4)
- EXPLAIN... (5+)

...HOW THE TROPICAL RAINFOREST CAN BE MANAGED SUSTAINABLY.

REVIEW

"THE *SAMASATI Nature Retreat* IS NOT AN ECONOMICALLY SUSTAINABLE WAY TO MANAGE THE RAINFOREST IN COSTA RICA"

Strongly disagree

Strongly agree



HOMWORK: COMPARE & CONTRAST THE ANTARCTIC AND THE ARCTIC

Next we will be investigating polar ecosystems. Your homework is to produce an informative poster, similar to the one opposite, that shows the difference between the location, climate, flora, fauna and people in the Arctic and Antarctic.

- **Grade 1-3:** simple, descriptive comparisons, some use of examples. Pictures, maps and graphs used from the internet.
- **Grade 4:** detailed, factual comparison,
- **Grade 5-6:** as above with consistent use of examples. Sources 'tagged'
- **Grade 7+:** as above but also considers differences between the Arctic and the Antarctic.

USEFUL LINKS:

THE ARCTIC

Average Yearly Temperature
The Arctic is freeeezing!

Animals!
The Arctic is at the top of the Earth (North!)

People & Population
2 Million native people call The Arctic 'home'!

VS

ANTARCTICA

Average Yearly Temperature
The Antarctic is the coldest place on the Earth!

Animals!
The Antarctic is at the bottom of the Earth (South!)

People & Population
Very few people live in Antarctica!

<http://www.arcticantarcticcollection.com/polarifferences.htm>

<http://climatekids.nasa.gov/polar-temperatures/>

http://www.coolantarctica.com/Antarctica%20fact%20file/antarctica%20environment/antarctic_arctic_comparison.php