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
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.
“What you do makes a difference, & you have to decide what kind of difference you want to make.”

- Dr. Jane Goodall

“The indigenous people around the world, before they made a major decision, used to sit around and ask themselves, ‘How does this decision affect our people seven generations ahead?’”

- Jane Goodall
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?

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+]
<table>
<thead>
<tr>
<th>Scheme</th>
<th>Socially</th>
<th>Economically</th>
<th>Environmentally</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Parks</td>
<td>☺ Protects lifestyles</td>
<td>☻ No $ gain</td>
<td>☺ Forest kept ☻ Biodiversity kept</td>
</tr>
<tr>
<td>Nature Reserves</td>
<td>☺ Educate people</td>
<td>☺ Admission fee pays for upkeep</td>
<td>☺ Biodiversity kept ☻ disturbance</td>
</tr>
<tr>
<td>Wildlife Corridors</td>
<td>☺ Keeps animals &amp; people separate</td>
<td>☺ Patrols to stop illegal poaching</td>
<td>☺ Biodiversity kept</td>
</tr>
<tr>
<td>Agroforestry</td>
<td>☺ Self sufficient people; healthy foods</td>
<td>☺ Extra income; ☻ reduced food imports</td>
<td>☺ Reduces flood &amp; erosion risk</td>
</tr>
<tr>
<td>Selective Logging</td>
<td></td>
<td></td>
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<tr>
<td>Pay landowners to keep forests</td>
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<td>Afforestation</td>
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<td>Monitoring</td>
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<td></td>
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<tr>
<td>Make Laws</td>
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</tbody>
</table>
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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REVIEW

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

http://www.arcticantarcticcollection.com/polardifferences.htm

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

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