



*Young people on the global stage: their
education and influence*

Turtles in Danger!

Key Question:

**How do our lives affect endangered animals in other
countries?**



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Curriculum links (UK)

KS3 curriculum

- The interdependence of organisms in an ecosystem
- How organisms affect, and are affected by, their environment, including the accumulation of toxic materials
- Construct and evaluate solutions to social and environmental problems



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Global Context

What is the consequence of the global economy on local ecosystems

Sustainable Development Goals

GOAL 15

- Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

Starter

Do these roses endanger animals?!



Photo: freestocks.org

Starter

Do you know which country this is?

- Kenyan flowers make up 30 to 35% of flowers auctioned in Europe
- Kenya is a leading producer of tea and coffee, as well as the third-leading exporter of fresh produce
- Tourism is an important part of the Kenyan economy



Kenya



Source: <http://medinapalms.com/>
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So why are turtles in danger?

Watch the video carefully – you'll need to use some of the information given to you!



[Youtu.be/mHy_nh02OUA](https://youtu.be/mHy_nh02OUA)

So why are turtles in danger?

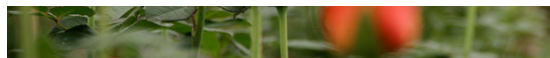
What chemicals are used to improve the **yield** of vegetable and flower crops?



Fertilisers and pesticides can be washed by rain into the rivers which take the chemicals to the coast



What affect do you think these chemicals have on the **coastal ecosystem**?

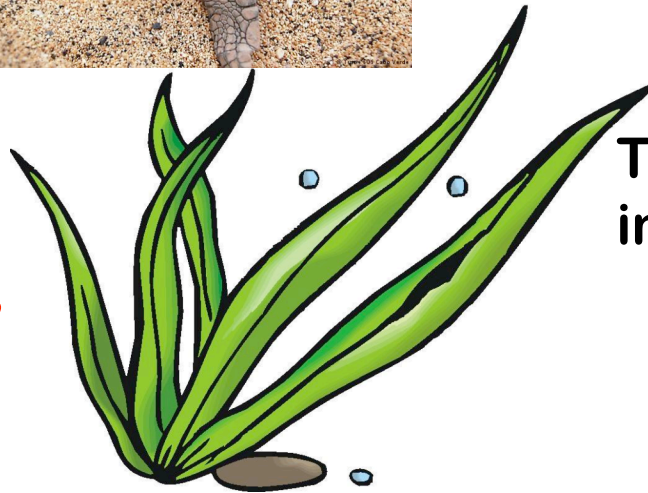


So why are turtles in danger?

Evidence



What affect will extra
fertiliser have on
invasive plant species
on the coast?



The **population**
increases!

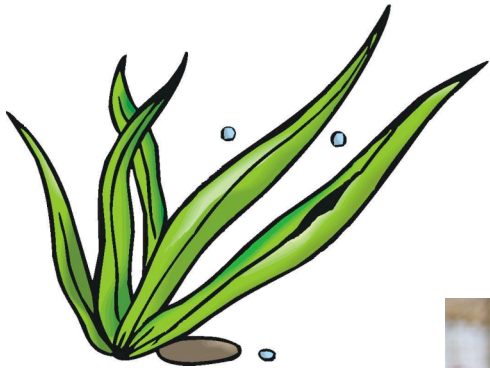
How will this endanger the **turtle hatchlings** returning to
the ocean after hatching?

Evidence

	Advantages	Problems
Agriculture		
Fishing		
Tourism		

Work in groups to summarise what you've gathered as evidence from the video and other research.

So what's the best way to save the turtle?



- You are going to **construct** and **evaluate** different solutions to the problem.
- Your group will be given one of the problems to think about and discuss
- Use the table to think about the **social and environmental** consequences of your solution.

Evaluate

	Solution to problem	Social and economic consequences	Environmental consequences
Agriculture			
Fishing			
Tourism			

What's the best way to save the turtle?



- The 2 best solutions are...

Vote!

- Science reasons for this are.....

Plenary

References



- Conservation Groups in Coastal Kenya Work to Save Endangered Turtles
- youtu.be/mHy_nh02OUA
- en.wikipedia.org/wiki/Agriculture_in_Kenya
- www.watamuturtles.com/
- arochakenya.wildlifedirect.org/
- sustainabledevelopment.un.org/sdgs

Young people on the global stage

Project partners are Tide~ global learning and University of Exeter in the UK, FERE-CECA Madrid in Spain, A Rocha [Kenya] in Kenya and TANGO in The Gambia.



This document has been produced with the financial assistance of the European Union. The contents of this publication are the sole responsibility of the project partners and can under no circumstances be regarded as reflecting the position of the European Union.