

SUSTAINABILITY PRINCIPLES LESSON PLAN

Introduce your students to the concept of sustainability and sustainable development, using the Galapagos islands as a focus. Consider the 3 main elements or pillars of sustainability and investigate and reason ways to manage issues in a sustainable way.

Resources required: [Galapagos Fact Cards](#), [Managing Issues in the Galapagos Presentation](#) and [handout](#), [Twitter Template Handout](#). and Internet links.

1. FIRE STARTER

Ask students in pairs to consider the words 'sustain' and 'develop.' Feeding in their ideas, ask them to show how the two words, which seem to have contrasting meanings, can come together to mean something new. Read our '[what is sustainability?](#)' webpage for an explanation of sustainable development and the elements that make us sustainability. Watch the following animation that also explains sustainability: <https://www.youtube.com/watch?v=B5NiTN0chj0>

2. GAINING GROUND

Hand out sets of [Galapagos Fact Cards](#) to groups. Students should sort cards into groups of the '3 pillars of sustainability' – Environment, Society and Economy. Students can write their own Galapagos facts on the blank cards. Ask students to justify their decisions. Some cards will show how many geographical concepts do not fit neatly into groups.

3. MAKING WAVES

Show students the [Managing Issues in the Galapagos Presentation](#). Either verbally or using the writing frame in [Managing Issues in the Galapagos Handout](#), students can suggest sustainable ways of managing the issue by considering the different elements of sustainability. An example has been completed on each issue to help students. They may also have a go at writing a tweet on a key characteristic using the [Twitter Template Handout](#).

4. FUTURE FOCUS

Read and discuss the [Scalesia Forest Case Study](#) together. Students should then try to list all the ecological goods and services that a forest such as this may provide. Encourage them to think beyond the monetary value of the forest and towards more intangible values such providing leisure activities, trails, and school group visits. Read more about reforestation in Galapagos here - [GNP News](#)

LEARNING OBJECTIVES

- To know the different types of energy sources
- To be able to evaluate different energy sources in the context of the Galapagos Islands
- To examine renewable sources of energy

STUDENTS' OUTCOMES

- To recognise how pressures on energy resources and a growing population are linked together
- To explain and justify their decisions on the most appropriate and viable renewable resource for Galapagos