

WithOnePlanet

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Investigate

Lesson 3

Teacher notes

Timor Leste, one of our closest neighbours

Years

9 to 10

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INQuIRY     

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WithOnePlanet

Climate change education

An xpend Foundation initiative

Timor Leste, one of our closest neighbours

Lesson 3: Teacher notes

This document provides the teacher with the details of the lesson.

At a glance

In this lesson students look at geographic data from Timor Leste, including location, climate, and crops. Some of the changes in the environment in Timor Leste over the last few decades are explored, as well as the impact that this is having on the population and their everyday lives.

For an assessment guide and key lesson objectives, refer to the Unit outline.

INQuIRY focus: Investigate

The *Investigate* phase (lessons 3–7) is designed to provide students with hands-on experiences of culture and how we use plants in different cultures. Students explore ideas and discuss their observations with each other and the class. The *Investigate* phase ensures all students have a shared experience that can be discussed and explained.

In the *Investigate* phase students develop a literacy product to represent their developing understanding. They discuss and identify patterns and relationships within their observations. Students consider the current views and deepen their own understanding.

Teacher background information

Timor Leste has a tropical climate, with a wet season and a dry season each year. According to the Ministry of Agriculture, Forestry and Fisheries website (<<http://gov.east-timor.org/MAFF/>>), an estimated 80% of the population of Timor Leste rely on the food they grow themselves for subsistence (subsistence farming). Changes in weather (too much rain, too little rain, different starting times for the seasons, etc) can affect people's ability to grow their food, and in bad years much of the population can go hungry. Climate change, which has a direct effect on weather patterns, has a direct effect on people's lives in Timor Leste.

Equipment

- > Website – Gapminder
<www.gapminder.org>
- > Website – iTouch Map
<http://itouchmap.com/latlong.html>
- > Website – East Timor Government, *History*
<www.easttimorgovernment.com/history>
- > Website – East Timor Government, *Geography*
<www.easttimorgovernment.com/geography>
- > Website – East Timor Government, *plant production*
<gov.east-timor.org/MAFF/English/plant_production>
- > Video – WithOneSeed stories, *Leo Guterres on growing up in Baguia, Timor Leste*
<<http://vimeo.com/67560306>> (1:48–2:48 mins and 9:46–11:32mins)

- > Video – WithOneSeed stories, *Helping to build sustainable communities and regenerate forests in Timor Leste* <<http://vimeo.com/47508278>>
- > Video – WithOneSeed story#5 - *His Excellency Abel Guterres, Timor Leste Ambassador to Australia* <<http://vimeo.com/56585455>>

Lesson steps

1. Students find some statistics about Timor Leste from the gapminder website. You might like to divide students into groups, and assign each group a different topic to research (economy, environment, education, health, etc).
2. Students follow instructions in *Lesson 3: Student worksheet* and answer geographic questions about Timor Leste, as well as looking at a brief history of the island.
3. Students follow instructions in *Lesson 3: Student worksheet* and answer questions about Timor Leste weather and crops.
4. Students follow instructions in *Lesson 3: Student worksheet* and answer questions about climate change and deforestation in Timor Leste.

Sources:

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OCM BOCES 2013, *Curriculum Mapping Essential Questions Guide*, viewed 1 December 2013, <http://www.ocmboces.org/files/folder1682/OHS_essentialquestions.pdf>.

Ministry of Agriculture, Forestry and Fisheries, Government of East Timor, 2002-2004 Agriculture [Website] 2002-2004, viewed 13 January 2016 <<http://gov.east-timor.org/MAFF/>>

Gapminder a fact-based worldview, [Website] viewed 13 January 2016, <http://www.gapminder.org>

iTouchMap.com, 2007-2015 [Website] viewed 13 January 2016, <http://itouchmap.com/latlong.html>

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WithOneSeed stories, *Leo Guterres on growing up in Baguia, Timor Leste* (edited version) [Online video], viewed 16 January 2016, <<http://vimeo.com/67560306>>

WithOneSeed stories, *Helping to build sustainable communities and regenerate forests in Timor Leste* [Online video] XXXX, viewed 16 January 2016, <https://vimeo.com/47508278>

WithOneSeed story#5- His Excellency Abel Guterres, Timor Leste Ambassador to Australia <https://vimeo.com/56585455>