Name:	
Grade:	
School:	
Date:	

WithOnePlanet

- Module 1: Carbon
- > Level: Years 3 to 4
 - INOuIRY: Investigate
 - Lesson 6: Tracking carbon's footprints
 - Student worksheet



Lesson 6 Student worksheet Tracking carbon's footprints

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Tracking carbon's footprints

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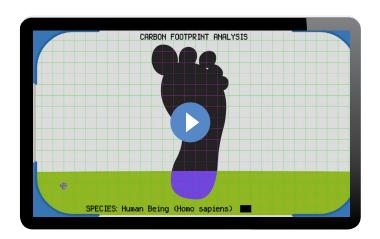


One of the best clues to finding carbon is to search for its footprints. Carbon itself can be very hard to see, but its footprints are very visible. Everywhere it goes, it leaves its footprints behind for clever detectives like you to find.

Activity: What is a carbon footprint?



Watch the Carbon Footprint Animation from the Australian Greenhouse Calculator website http://www.epa.vic.gov.au/agc/animations.html and answer the following questions.



Source:



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5: What's wrong	with Fred's shoes and Ginge	er's hair-care products?		
	things that Fred says we sho	ould do once we have calcu	ılated our carbon footp	rint?
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Calculate your own carbon footprint

Activity:

Now it's your turn to calculate your carbon footprint*. To do this, go here: http://www.wwf.org.au/our_work/people and the environment/human footprint/footprint calculator/>

*NOTE: It is important to know that a carbon footprint is the SAME as an ecological footprint or ecofootprint.

Try completing the calculator using the 'basic' information version first. Once you have completed it and answered the questions below, you may like to have a go at the 'detailed' version.

What is	your	personal	ecofootp	rint?
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In global hectares:	ha
In Earths:	Earths

What does my carbon footprint mean?

ha = the number of global hectares

A global hectare refers to one hectare (about the size of a soccer field) of land in good condition (for growing plants and grazing animals for example).

Earths = the number of planet Earths

Earths refers to the number of Earths that you would need if ALL the people on the planet lived like you. (See below.)



Source:

WFF 2014, Ecological Footprint Calculator, viewed 3 January 2014, http://www.wwf.org.au/our-work/people-and-the-environment/human-footprint/footprint-calculator/.

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How many planet Earths do people in other countries need?

In the picture below, you can see the average number of Earths that people in different countries require to live.







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Why do people in Asia-Pacific countries, such as Timor Leste, have such small carbon footprints? Add some of your own thoughts to the table below.

Things that I do or have in Australia that INCREASE my carbon footprint	Things that someone my age DOESN'T do or have in Timor Leste, that DECREASES their carbon footprint
1 	



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Will reducing my own carbon footprint have any affect on the lives of people in poorer countries such as Timor Leste?

Activity:

Here is one way you can help... watch these two videos:



Postcards from the frontline: http://vimeo.com/73387781>





What does home mean to you? http://vimeo.com/75290207



Go to the *Postcards from the Frontlines* website: http://www.ejfoundation.org/postcards and send a free postcard today to help climate refugees.

Source:





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Draft your postcard here ...

What does home mean to you?

Add a photo and a message.



Sources:

Environmental Justice Foundation 2013, Postcards from the frontlines, viewed 3 January 2014, http://www.ejfoundation.org/postcards.

Australian Greenhouse Calculator 2011, Carbon Footprint Animation, viewed 3 January 2014, http://www.epa.vic.gov.au/agc/animations.html.

EPA Victoria 2013, Australia's and Victoria's Ecological Footprint, viewed 19 December 2013, http://www.ejfoundation.org/postcards.

Environmental Justice Foundation 2013, Postcards from the frontlines, viewed 3 January 2014, http://www.ejfoundation.org/postcards.