

Carbon Footprint

Presented by : Peyman Navidi



What is a Carbon Footprint?

CO₂

- It is a measurement of the emissions given off by a person and their lifestyle.
- Your carbon footprint is a measurement of **how much CO₂** you produce **each year**. There are ways to calculate it and there are always ways to reduce it.

A carbon footprint is

“The total set of greenhouse gases (GHG) emissions caused by an organization, event or product”

For simplicity of reporting, it is often expressed in terms of the amount of carbon dioxide, or its equivalent of other GHGs, emitted.

Greenhouses Gases

Greenhouse gases are made out of:

- water vapour
- carbon dioxide
- methane
- nitrous oxide
- ozone
- chlorofluorocarbons

They are all natural gases, but extra greenhouses gases can be made by humans polluting.

How to Calculate YOURS!


There is many ways of how you can do this you can complete it by going onto websites.


- Here it will ask you a series of questions about your lifestyle.
- It will then give you a number or an answer to how bad your carbon footprint is.
- It may then give you some tips of how to change
- A good website for business and work to use is:
<http://www.carbonfootprint.com/calculator.aspx>
- A good website for students to use is:
<http://www.cooltheworld.com/kidscarboncalculator.php?>


What one student uses...


This website also gives you useful simple tips on how to reduce yours

Ways you can reduce your carbon footprint

 You are leaving your TV on standby when you could be saving 11 kgs of CO₂ a year!

 You could try watching a little less TV everyday and see how much energy you save - it all adds up!

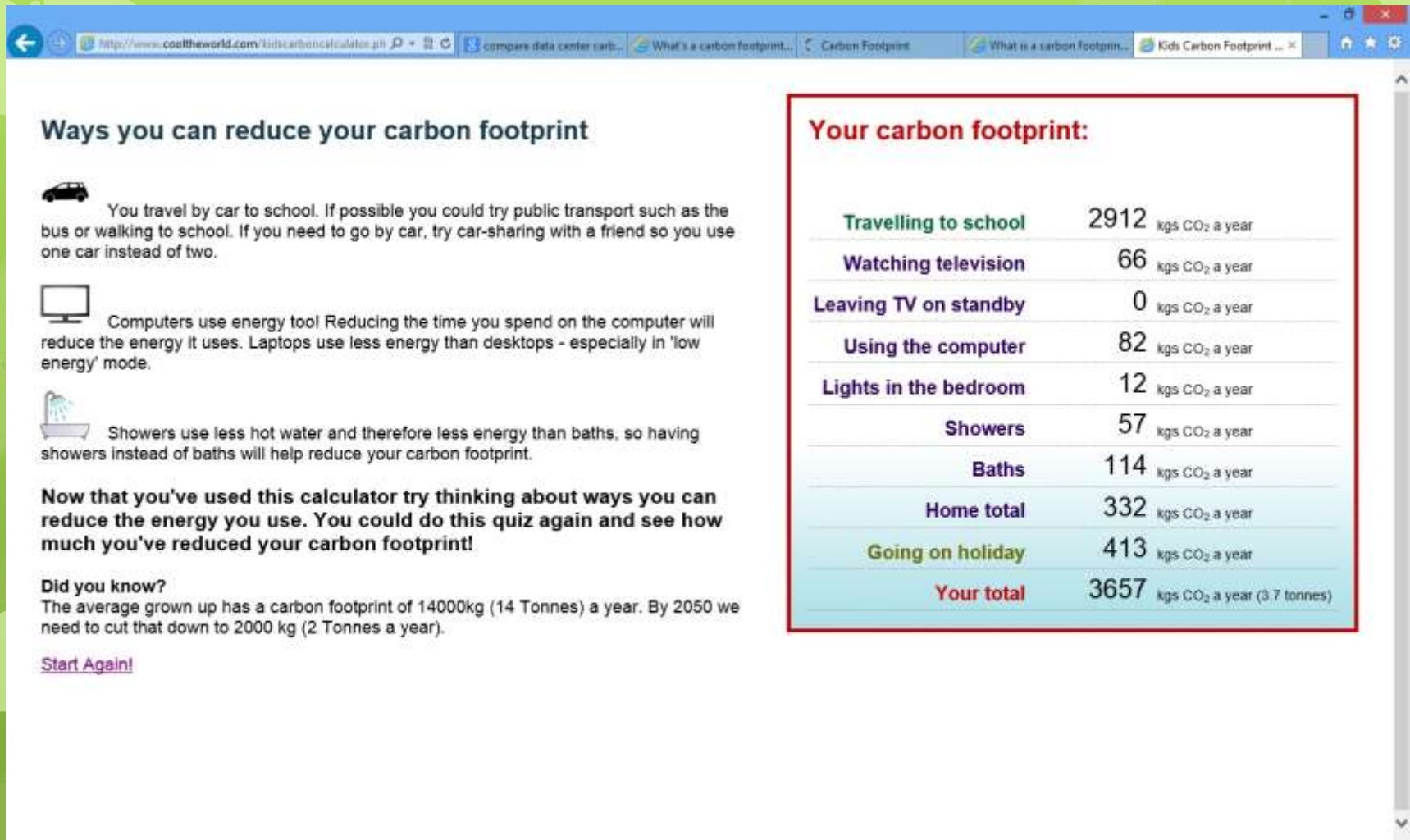
 Computers use energy too! Reducing the time you spend on the computer will reduce the energy it uses. Laptops use less energy than desktops - especially in 'low energy' mode.

 Showers use less hot water and therefore less energy than baths, so having showers instead of baths will help reduce your carbon footprint.


Your carbon footprint:


Travelling to school	0 kgs CO ₂ a year
Watching television	132 kgs CO ₂ a year
Leaving TV on standby	11 kgs CO ₂ a year
Using the computer	48 kgs CO ₂ a year
Lights in the bedroom	9 kgs CO ₂ a year
Showers	200 kgs CO ₂ a year
Baths	57 kgs CO ₂ a year
Home total	458 kgs CO₂ a year
Going on holiday	138 kgs CO ₂ a year
Your total	596 kgs CO₂ a year (0.6 tonnes)


My Carbon Footprint



Ways you can reduce your carbon footprint

 You travel by car to school. If possible you could try public transport such as the bus or walking to school. If you need to go by car, try car-sharing with a friend so you use one car instead of two.

 Computers use energy too! Reducing the time you spend on the computer will reduce the energy it uses. Laptops use less energy than desktops - especially in 'low energy' mode.

 Showers use less hot water and therefore less energy than baths, so having showers instead of baths will help reduce your carbon footprint.

Now that you've used this calculator try thinking about ways you can reduce the energy you use. You could do this quiz again and see how much you've reduced your carbon footprint!

Did you know?
The average grown up has a carbon footprint of 14000kg (14 Tonnes) a year. By 2050 we need to cut that down to 2000 kg (2 Tonnes a year).

[Start Again!](#)

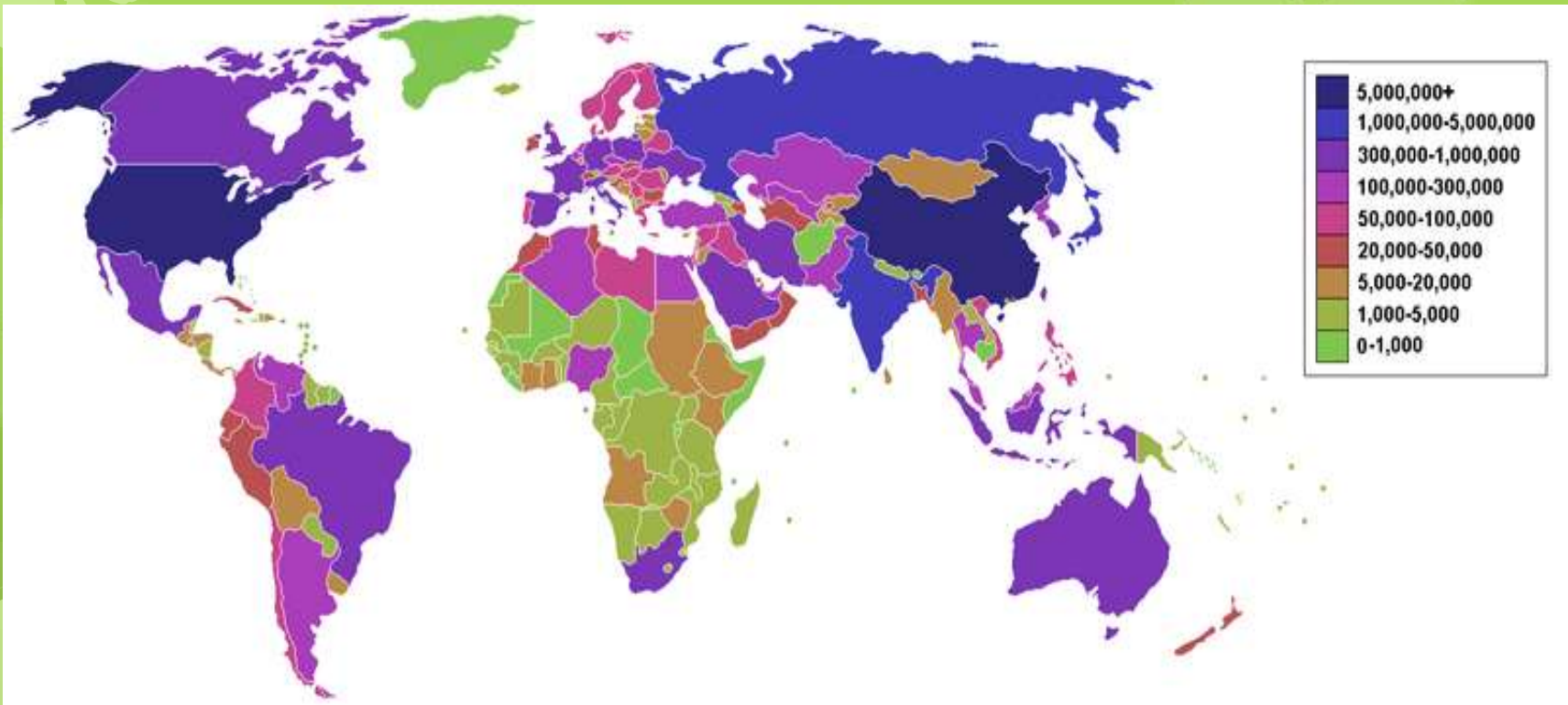
Your carbon footprint:

Travelling to school	2912	kgs CO ₂ a year
Watching television	66	kgs CO ₂ a year
Leaving TV on standby	0	kgs CO ₂ a year
Using the computer	82	kgs CO ₂ a year
Lights in the bedroom	12	kgs CO ₂ a year
Showers	57	kgs CO ₂ a year
Baths	114	kgs CO ₂ a year
Home total	332	kgs CO ₂ a year
Going on holiday	413	kgs CO ₂ a year
Your total	3657	kgs CO₂ a year (3.7 tonnes)

How to reduce your Carbon Footprint?

- Turn things off when not in use
- Turn down the heating slightly
 - Just 1 degree will help reduce your heating bill by about 8%.
- Turn down the water heating setting
- Life cycle Analysis
- Switch to renewable sources
- Identification of solutions to neutralize Carbon-di-oxide effect

Compare Countries Footprint



http://en.wikipedia.org/wiki/List_of_countries_by_carbon_dioxide_emissions