

My

Carbon

Footprint

Instructions

1. Either use this template or draw around your own foot.
2. Divide the footprint up to show how much you use for each of the totals for school, home and holiday.
3. Divide each section further to show how you use energy, e.g. showers, watching TV, different sorts of holidays...
4. Use colour, pictures and text to decorate your footprint.

Question to answer:

* How could you reduce your carbon footprint? E.g. sharing lifts, taking holidays without using a plane, less TV...
* Write your answers around the footprint.

Calculating your Carbon Footprint

Use these values to calculate your overall Carbon Footprint.

SCHOOL

1. How far do you travel to school? (one way only)
2. How do you get to school?
   1. Walk = 0
   2. Bicycle = 0
   3. Bus = 103 kgs CO2 per mile
   4. Train = 91 kgs CO2 per mile
   5. Car
      1. How many travel with you?
         1. 0 = 324 kgs CO2 per mile
         2. 1 = 162 kgs CO2 per mile
         3. 2 = 108 kgs CO2 per mile
         4. 3 = 81 kgs CO2 per mile

HOME

1. TV watch 1hr = 46 kgs CO2 per hour
2. Computer 1hr = 27 kgs CO2 per hour
3. Lights 1hr = 20 kgs CO2 per hour
4. Bath = 71 kgs CO2 each
5. Shower = 42 kgs CO2 each

HOLIDAYS

1. Holidays
   1. UK car = 138 kgs CO2 per holiday
   2. UK train = 39 kgs CO2 per holiday
   3. UK bus = 44 kgs CO2 per holiday
   4. UK plane = 290 kgs CO2 per holiday
   5. Europe car = 344 kgs CO2 per holiday
   6. Europe train = 96 kgs CO2 per holiday
   7. Europe bus = 110 kgs CO2 per holiday
   8. Europe plane = 870 kgs CO2 per holiday
   9. Outside EU car = 688 kgs CO2 per holiday
   10. Outside EU train = 193 kgs CO2 per holiday
   11. Outside EU bus = 220 kgs CO2 per holiday
   12. Outside EU plane = 2900 kgs CO2 per holiday

Working out my Carbon Footprint

**School**

1. Colour in how you get to school.
2. Do this calculation and fill in the last box:

How many miles **X** number I coloured = CO2 I use

|  |  |  |  |
| --- | --- | --- | --- |
| How many miles to get to school | Transport I use | CAR ONLY: how many pupils come with me | Miles x number I’ve coloured in |
| \_\_\_\_\_ miles | Car --------------🡪 | 0 = 324 | kgs CO2 |
| Bus = 103 | 1 = 162 |
| Bicycle = 0 | 2 = 108 |
| Walk = 0 | 3 + = 81 |

**Home**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| How much I use: | |  | How much CO2 |  | Total CO2 |
| TV | hours per night | **X** | 46 | **=** |  |
| Computer | hours per night | **X** | 27 | **=** |  |
| Lights | hours per night | **X** | 20 | **=** |  |
| Bath | each week | **X** | 71 | **=** |  |
| Shower | each week | **X** | 42 | **=** |  |
| Add up all the totals to make the overall total: | | | | | kgs CO2 |

**Holidays**

1. Colour in the holidays you have each year.

Add up all the numbers!

138 + 39 + 870 =

**1047** kgs CO2

e.g. You might have 3 holidays a year:

* 1. One in the UK by car = 138
  2. One in the UK by train = 39
  3. One in Europe by plane = 870

|  |  |  |  |
| --- | --- | --- | --- |
| How I get there: | Colour in all of the different types of holiday you have each year: | | |
| **UK** | **Europe** | **Outside Europe** |
| Car | 138 | 344 | 688 |
| Bus | 44 | 110 | 220 |
| Train | 39 | 96 | 193 |
| Plane | 290 | 870 | 2900 |
| Add up all of the numbers = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kgs CO2 | | | |

**TOTALS**

School: kg CO2 per year

Home: kg CO2 per year

Holidays: kg CO2 per year

**OVERALL TOTAL**: kg CO2 per year

Na

Plane

**Did you know?**

The average grown up has a carbon footprint of 14000kg a year. By 2050 we need to cut that down to 2000 kg a year!

Calculating my Carbon Footprint

How far do you travel to school? (one way only)

miles

Europe

Bicycle

Hours of TV each night:

Hours of computer each night:

Hours my light is on each night:

Number of baths per week:

Number of showers per week:

HOME

HOLIDAY

How many holidays do you have each year?

UK

I go on holiday to:

Outside Europe

I travel on holiday by:

Car

Bus

Train

3+

2

1

0

I share a lift in the car with this many other pupils:

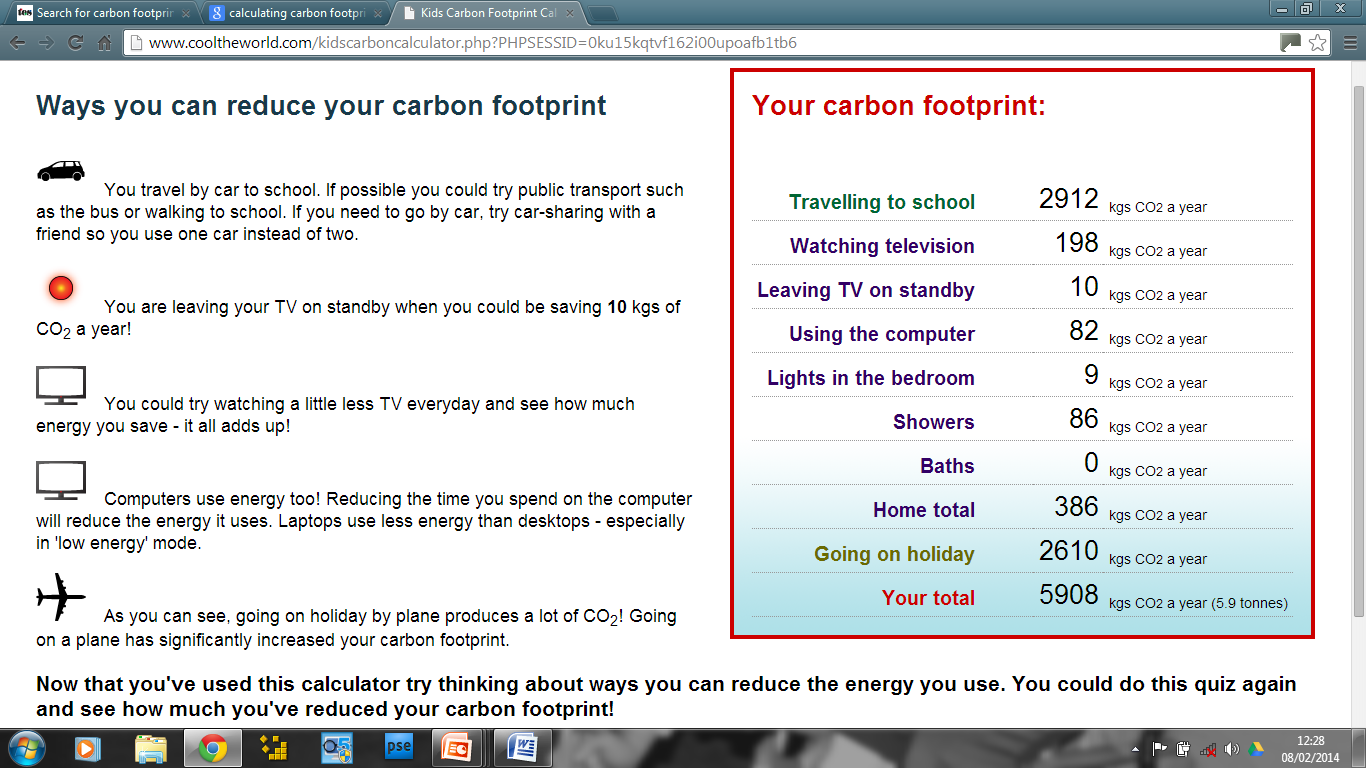
I travel to school by:

Car

Walk

Bus

SCHOOL

 Example Carbon Footprint