

**Carbon Calculator: How Much CO<sub>2</sub> Does your Family Emit and What Can You Do About It?**  
Earth Science Mr. Traeger

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**Purpose**

The purpose of this assignment is to become aware of our carbon emissions and the areas of our lives that lead to carbon emissions. We will then put together a doable action plan to reduce overall carbon emissions.

**Materials**

Class Schedule and the associated websites listed under today's classwork assignment.

**Procedure Part 1: Carbon Crisis**

1. Re-read the article [CO<sub>2</sub> levels in the atmosphere have gone over 400 parts per million](#) to re-acquaint yourself with the levels of CO<sub>2</sub> we are now seeing in the atmosphere. Tell me below what it means now that we have exceeded 400 Parts per Million of CO<sub>2</sub> in the atmosphere.

**Procedure Part 2: Carbon Calculator**

2. Use the [CoolClimate Carbon Footprint Calculator](#) to get a measure of how much CO<sub>2</sub> your family emits in to the atmosphere each year. Enter the individual amounts of carbon in tons of CO<sub>2</sub> in each of the following columns.

Intro	Travel	Housing	Food	Shopping	Take Action: Total Reductions	Take Action: Total Footprint

**Procedure Part 3: Carbon Reduction Plan**

Make a **do-able** plan for how you will lower this overall carbon footprint number. You should detail **at least three ways** in which you can lower your carbon footprint in your household AND how much carbon this will save your family. The [CoolClimate Carbon Footprint Calculator](#) will help you to get some ideas for reductions under the %Take Action+tab. Your reductions will be reported as you click %ledge+for each item. You should write all of this in **ESSAY FORM** with your carbon footprint summaries included with the essay. We will discuss and turn this in before the end of the period. Use the back of this sheet to write your essay.