**Ecological Footprint Calculator Activity**

Calculate how many earths it would take to support the human population if we all lived like you.

**Directions:**

1. Go to the website <http://www.footprintcalculator.org/>
2. Click on where it says “Take the first step”
3. This will then prompt you to enter your email
   1. If you are uncomfortable using yours, use [grantl@issaquah.wednet.edu](mailto:grantl@issaquah.wednet.edu)
   2. Click “Submit,” and begin
4. Slide the slider bars to show how you use each of the products listed
   1. Click on **ADD DRTAILS TO IMPROVE ACCURACY** for each question that offers it
   2. Slide the circular slider to show how you use the products listed, then click save
   3. Click the arrow when you have answered all parts of the question
5. Continue filling out the detailed information for the entire rest of the quiz. Do the best you can to estimate your usage: if you don’t know, just say so.

Some information to use as you answer:

* **Western Washington gets 96% of its electrical energy from renewable sources.**
* **The average American uses 176 gallons of water per day.** ([www.water.org](http://www.water.org) )

**Analysis:** After you complete the quiz, use your results to answer the questions below.

1. If everyone lived like you, how many earths would we need?
2. What is your overshoot day, and what does that mean?
3. What is your ecological footprint in global hectares?
4. What is your carbon footprint in tonnes per year?
5. Draw the graph of your consumption use:

|  |  |  |
| --- | --- | --- |
| **Consumption Categories** | Relative Amount (draw the bars to scale as you see on your results) | Amount in gha (global hectares) |
| Services |  |  |
| Goods |  |  |
| Mobility |  |  |
| Shelter |  |  |
| Food |  |  |

1. How does your ecological footprint break down? (Hint: mouse over each section to see the %)
   * Fill out the pie chart
   * Don’t forget the key!

**Key**

* Built Land
* Forest Products
* Cropland
* Grazing Land
* Fishing Ground
* Carbon Footprint

1. Read the solutions, and choose **one** you think you can do that will have the greatest impact your ecological foot print. Summarize that solution.