**Problem Restatement**

This report seeks to answer the following questions posed by the USDA:

* Develop a mathematical model that takes as input a student’s individual attributes and outputs the number of calories for lunch.

**Global Assumptions**

Creating a plan that answers the above questions is essentially a smaller version of a plan to solve the lingering problem of world hunger. It is necessary to restrict the scope of this report to

Since the second concern was to “determine the distribution of U.S. high school students” we felt that our report could be made more applicable if it only dealt with US high school students. The most important rule this report will be working under is that the aforementioned high school student is between ages 14 and 18. In the United States, compulsory education is determined by individual states.