**Team Number:** THS133

**School Name:** Taos High School

**Area of Science:** Behavioral and Social Sciences/Biochemistry

**Project Title:** Effects of Hunger on Academic Performance

**Problem:**

Although SNAP and WIC are a valuable part to families that need it, it is becoming less and less effective. The cost of food is on a steady incline, making it harder to effectively purchase food that will last the month. In 2016 about 1/3 of families on SNAP, or food stamps, had to visit a food pantry to be able to keep themselves fed. That meaning, within the last couple of days or even the last week children aren’t receiving enough nutrients and energy, which can drastically impact their academic performance.

**Expectations:**

It is important for our infants and children to be able to have a well-planned breakfast, lunch and dinner. For this to happen it is very important those households in need of SNAP and/or WIC are able to get enough money that will help them last through a whole month. We want our model to effectively show the effects it has on the infants and children’s academic performance in hope the amount of money families receive via SNAP/ WIC increases.

**Solution:**

With the use of Excel, StarLogo or NetLogo we plan to give a visual representation of academic performance with a hunger deprived brain. The affect will be shown by comparing the hunger deprived brain to a Control group (healthy brain).

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