

CWSF 2009 - Winnipeg, Manitoba



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Save Money While You Sleep: Reducing Household Energy Consumption

Division: Engineering & Computing Sciences / Environmental Innovation

Category: Intermediate

Region: Northwestern Ontario

City: Thunder Bay, ON

School: St. Ignatius S.S.

Abstract: The purpose of this project was to determine how much money the average household can easily save when people are sleeping. Three techniques were examined: using more energy efficient devices, using timers to eliminate standby power, and reducing energy consumption by lowering power settings. Eight experiments were conducted to measure energy usage. It was determined that an average household can save over \$500 annually.

Biography

I was born in Montana in 1992 and have lived in several states. My family moved to Thunder Bay, Ontario in 2001. I am in grade 10 at St. Ignatius High School. During school, I am active in science fair, math competitions, the debate team, and the mountain biking club. Outside of school I train with a Tae Kwon Do competition team and will be testing for my red belt soon. I enjoy biking, hiking, skiing and everything outdoors. My family and I have traveled all over North America, Asia, and Europe. Last year I lived in Sweden for six months for my dad's work, and then traveled around Europe for two months. This year I hope to get a job and learn more about the many science based career choices available to me.

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