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Ghost-Busters

The purpose of our project was to find out which electrical appliance uses the most energy when plugged in but not in use (on standby or off). Our hypothesis was, “If the larger TV is on standby then it will use more energy than the other appliances.” We did extensive research on energy and “Vampire Energy” and found numerous, lengthy, and informative sites. The research really helped us discover which appliances actually used enough energy when off to measure on a KiloWatt meter. We tested more than the 10 appliances listed but most of the appliances consume enough energy to use at least 1 watt when they were on standby. After testing the appliances we entered the data into an excel spreadsheet. We then researched what a watt is measured in (time wise) (KiloWatt hour). Later we calculated how much money different communities could save by turning off those 10 appliances. We concluded that our hypothesis was wrong and the appliance that uses the most energy on standby was the sewing machine.