



At the SUU Science and Engineering Fair, Trevor Boardman won over \$13,000 in cash and prizes for his entry on wind and solar energy.

## Folks, He's done it again!

by Sarah Jacobson

DHS - Trevor Boardman, scientist extraordinaire, has done it again. Last year, Trevor entered his energy efficient light bulb in the Regional Science Fair held at SUU and won a gold medal in the physics/astronomy category.

This year, Trevor went to SUU again to the Science and Engineering Fair and really cleaned up shop, leaving the fair with \$13,000 worth of cash and prizes.

"He created a computer program that would determine energy output of wind and solar energy anywhere in the world," said Mr. Austin Day, a science teacher at Delta High. "It's pretty amazing."

"I got interested when I found out that they were putting up wind turbines in the west desert. I wondered if it was really worth it to put them up."

Trevor began his project with some heavy duty research into solar panels and wind turbines and the energy efficiency levels. He studied how they work and in what conditions they work the best. Then, using some of his older brother's programs for reference, he began to build his program from scratch. It took him about two to three months to complete.

When asked to explain his program, Trevor described it like a calculator.

"It asks you for stuff, like roof area and obstructions, you put it in, and

it comes out with a rough estimate of what the energy capability should be."

Trevor received the Symantec Scholarship for \$10,000 and a 120 GB Portable Hard Drive, the Intel Science and Computer Award for \$200, the RICO Award, the Army Science/Engineering Award, the Herbert Hoover Medal of Science, and the Energy Solutions Scholarship worth \$2,000.

When they announced Trevor had won the competition, he felt overwhelmed.

"I was really happy and excited," recalled Trevor. "I knew that a bunch of other kids had worked just as hard as I had towards this award, and I felt really excited because I had won."

"He's amazing," said Mr. Day. "He's inspiring. He's a good, nice kid who works hard and strives for excellence."

Trevor plans on attending BYU when he graduates.

"They have a good science and energy program," Trevor explained. "I want to go into robotics and that's a part of it. This project helped me with robotics because it introduced me to the basics of programming."

"I have to give a lot of credit to my dad," said Trevor. "He helped me out a lot when I had questions or got stuck in tough places."