

## CWSF 2008 - Ottawa, Ontario



### Kyle Schole

#### More to Light than Meets the Eye Phase II

**Division:** Physical & Mathematical Sciences / None

**Category:** Intermediate

**Region:** Edmonton

**City:** Pickardville, AB

**School:** Richard F Staples Secondary School

**Abstract:** In this experiment, set out to determine whether oscillating LED light holds any effect over the speed of bacterial growth. After isolating samples of streptococci, facilus, and fungus, I focused a variety of LEDs on them. After an incubation period of twenty-four hours, I am able to come to the conclusion that pulsing LED light dose not have any effect to these three non-photosynthesizing bacteria.

#### Biography

Kyle Schole lives on a farm one hour northwest of Edmonton, Alberta. His family, who consist of his mother, father, and younger sister and brother, support him with his science work, but do occasionally tire of the messes he leaves in his wake. Some of his favorite pastimes include reading, playing his flute, playing on his flight simulator, and of course, working on his latest science fair project. He attends Grade nine in Westlock's RF Staples Secondary School. When he graduates, Kyle hopes to enter the feild of microbiology. Also, he is very interested in attaining his piolets licence. This is Kyle's seventh science fair project, and his second getting to the Canada Wide Fair. This year's project is a continuation of his research with LEDs, and he has learned a lot about electricity when trying to wire the 555 IC's. Kyle has had a lot of fun with this project and feels that the experience will aid him later in life, whether he enters a profession in science or elsewear, he will always remember his experiences in school, 4-H, and the science fair!

#### Awards

#### Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Life Sciences - Intermediate Sponsor: Pfizer Canada	\$300
Total	\$1 300