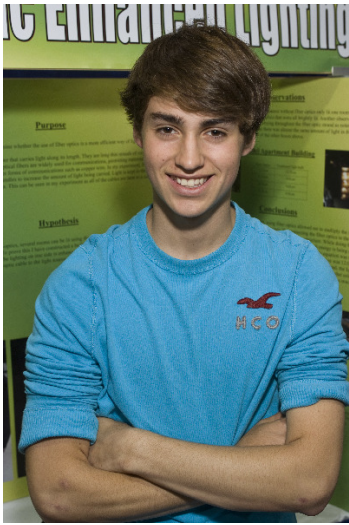


## CWSF 2010 - Peterborough, Ontario



### Tyler Udvari

#### Fiber Optic Enhanced Lighting

**Division:** Life Sciences

**Category:** Junior

**Region:** Chatham-Kent

**City:** Chatham, ON

**School:** St. Ursula E.S.

**Abstract:** This project studied the use of fiber optics as a more efficient way of lighting. Fibers are used for illumination and are wrapped in bundles to increase the amount of light being created. Light is kept in the core of the optical fiber by total internal reflection. In conclusion fiber optics are a more efficient way of lighting than a traditional light bulb.

#### Biography

tyler udvari, play many different sports including hockey, baseball, basketball and volleyball. In the summer of 2009 i attended Ontario Educational Leadership Camp for sports. Won the Fergie Jenkins baseball award in 2009. Went over seas to Europe last year and going again this year!