

CWSF 2007 - Truro, Nova Scotia



Kevin McIlvenna

Laser Liquids

Division: International / None
Category: Intermediate
Region: Rideau-St. Lawrence
City: Smiths Falls, ON
School: Smiths Falls District Collegiate Institute
Abstract: This experiment determined the sugar and salt concentrations in water, utilizing the index of refraction of the liquids, as well as the sugar and salt concentrations of everyday solutions. A laser pointer and a glass prism were used. The sugar and salt concentrations increased the index of refraction of the water. The concentrations were also accurately predicted and found for the everyday solutions.

Biography

My name is Kevin McIlvenna and I go to Smiths Falls District Collegiate Institute. I am a part of my school's badminton, tennis, and track and field teams. I love to play tennis and I am fortunate enough to have a tennis court near my house. I actually have a ball machine that I can utilize and it really comes in handy when I have no one to play with. Last year, I was in our school's honour roll and won the award for highest grade average. I also won the art, mathematics, and science awards. I was very proud of myself. Without a doubt, I plan to go to university if all goes well, but as of now, I do not have a selected career of preference. I have a sister, Amy, who is one year younger than myself and she loves horses. Thankfully, she has two of her own at our place, Chief and Spirit. This keeps her busy. Personally, I am not extremely fond of horses. With this all said, I am really looking forward to participating at this year's Canada Wide Science Fair.

Awards

Value

Honourable Mention - Physical & Mathematical Sciences Intermediate Sponsor: Encana Corporation	\$100
Total	\$100