

## CWSF 2010 - Peterborough, Ontario



### Chloe Howe

#### Homemade Electrophoresis

**Division:** Physical & Mathematical Sciences

**Category:** Intermediate

**Region:** Canadian Rockies

**City:** Canmore, AB

**School:** Banff Community High School

**Abstract:** Investigation into the effectiveness of Gel Electrophoresis in separation of food dyes and identification of relative molecular size. The experiments used materials that were readily available from local hardware and grocery stores, the techniques are important within forensic science and DNA analysis.

#### Biography

I was brought up in England and moved to the Canadian Rockies in 2007. I started short track speed skating when I arrived in Canada and have recently made it on to the Alberta Development Squad. I also competed at the Alberta Winter Games and I want to go as far as I can in the sport. I enjoy downhill skiing and playing musical instruments. At school my favourite subjects are science, especially chemistry and math, especially algebra and also art and guitar. I haven't decided what I want to do after school yet.

#### Awards

#### Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation	\$300
Total	\$1 300

