

## CWSF 2007 - Truro, Nova Scotia



### Simranpreet Anand, Sumeet Anand

#### Chromatography

**Division:** International / None

**Category:** Junior

**Region:** South Fraser

**City:** Surrey, BC

**School:** Sullivan Heights Secondary

**Abstract:** This project analyses the component molecules of substances. The process takes place using a solvent, paper and a compound. It works by putting the compound on the paper and then adding the solvent. The solvent moves up the paper because of adhesion and cohesion, carrying up the pigments. The component molecules separate because of their size and adhesion to the paper, showing the different pigments.

#### Biographies

**Simranpreet** - My name is Simranpreet Kaur Anand. I am a thirteen year old, grade eight student at Sullivan Heights Secondary School, Surrey, B.C. I have a older sister, who is only 16 months older than me, I also have a twin sister. My hobbies include bike-riding, rock climbing, playing frisbee, drawing, painting, and photography. I also have an interest in travelling and have been to Asia and Europe several times. The subjects I am interested in are art and science and that is one of the reasons I participated in the district science fair. In grades four, five, and eight my sister and I recieved gold ribbons. Some of my other achievements are recieving an...

**Sumeet** - My name is Sumeet Kaur Anand. I am a thirteen year old, grade eight student at Sullivan Heights Secondary, Surrey B.C. I have an elder sister who is only 16 months older than me, I also have a twin sister. My hobbies include rock climbing, cycling, playing frisbee, drawing and photography. My sister Simran and I have won gold in our grade four, five, and eight district science fairs and now we would like to continue participating in science fairs. I enjoy taking part these events to enhance my knowledge. I have also participated at a Rick Hansen Art Show held at my school, where I had the oppurtunity to discuss my artwork with Rick Hansen. For...