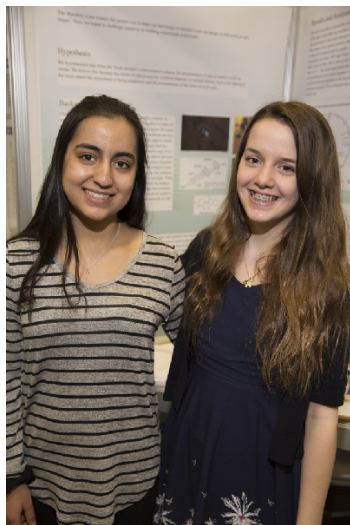


## CWSF 2016 - Montreal, Quebec



### Caitlin Shaver, Bushra Khadra

#### Can You See the Light?

**Challenge:** Innovation

**Category:** Intermediate

**Region:** Rideau-St. Lawrence

**City:** Brockville, ON

**School:** Brockville Collegiate Institute

**Abstract:** Can You See The Light is a science fair project experimenting how the different concentrations of chiral mixtures will impact their optical activity. To do this experiment we created our own polarimeter, a machine that measures the optical activity of a chiral mixture or substance.

#### Biographies

Caitlin - Hi, my name is Caitlin Shaver, and I am one of the many finalists competing in the Canada Wide Science Fair. In my spare time I like to swim, go camping, and hang out with friends. I am currently working towards becoming a lifeguard, and have 2 out of the 3 needed courses complete. I attend Brockville Collegiate Institute, and play the trumpet in the intermediate band. My partner, Bushra Khadra and I created an organic chemistry science fair project called 'Can You See The Light?'. We chose this project to broaden our knowledge of the different studies of science, and learn more about chirality and its uses in the world. We plan to further in...

Bushra - Hello, my name is Bushra Khadra, and I am one of the finalists competing in the CWSF. In my spare time I like to read and watch debates and documentaries. I work at the Brockville Public Library as a student page. My partner, Caitlin Shaver and I created an organic chemistry science fair project called Can You See The Light. We chose this project to broaden our knowledge of the different studies of science, and learn more about chirality and its uses in the world. We plan to further investigate chirality by experimenting with different chiral mixtures, and improving our polarimeter to give more accurate results.

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