

## CWSF 2017 - Regina, Saskatchewan



### Hayden Persad

#### Piezoelectricity: The Energy of the Future

**Challenge:** Innovation

**Category:** Junior

**Region:** West Kootenay & Boundary

**City:** Creston, BC

**School:** Adam Robertson Elementary

**Abstract:** I am interested in alternative energy sources. My project is on piezoelectricity, which is energy captured when pressure is applied to piezoelectric crystals. I have created an electrical circuit that contains 6 piezoelectric discs that light an LED when pressure is applied to the discs.

#### Biography

I am 13 years old and live in Creston, BC. I enjoy downhill skiing, soccer, and basketball. I have been involved in science fair for 6 years, have won gold at my regional fair 4 times. I am president of my 4H club, and am involved in Scouts. I have travelled with Scouts to international and national jamborees. I am interested in clean energy. I learned how others are starting to explore using piezoelectricity to create electrical energy from wasted mechanical energy. I hope to keep working with piezoelectricity and help develop ways this can be used in everyday lives. I hope to go to university when I graduate and become an aerospace engineer.