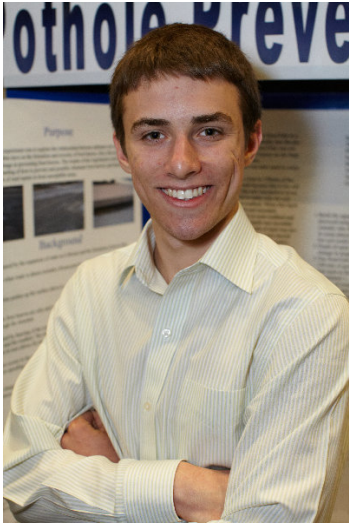


## CWSF 2012 - Charlottetown, Prince Edward Island



### Luke Baxter

#### Pothole Prevention

**Challenge:** Innovation

**Category:** Senior

**Region:** East Kootenay

**City:** Cranbrook, BC

**School:** Mount Baker Secondary

**Abstract:** This project looked at the effects of different substrates (sand, crush and native soil) and the severity of frost heaves in road beds. In addition, drainage in road beds was also looked at. Results showed that substrates that did not hold water led to less heaving in the road bed, and when water could be drained out of the road bed, the heaving was reduced

#### Biography

I am in grade 12 at Mount Baker Secondary School, in Cranbrook, BC. I play on the senior basketball team and I also coach grade six basketball. This year I ran in the Las Vegas half marathon and came 11th in my age category. I have no idea what I want to do when I graduate because of all the possibilities.