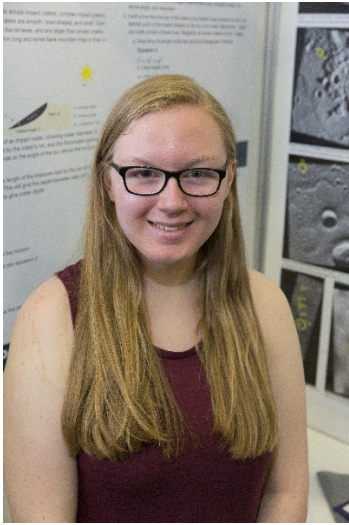


## CWSF 2018 - Ottawa, Ontario



### Breann Squires

#### For the Crater Good

**Challenge:** Discovery

**Category:** Senior

**Region:** Northwest Saskatchewan

**City:** Wilkie, SK

**School:** McLurg High School

**Abstract:** This purpose of this project was to determine the relationship of depth to diameter ratios of simple impact craters on Mercury and Mars. Measurements were taken from NASA photographs. Crater depth was related to shadow length using the tangent function. It was found that simple impact craters on Mercury have depth to diameter ratios similar to simple impact craters on Mars.

#### Biography

My name is Breann Squires and I am a grade 12 student from Wilkie, Saskatchewan, currently attend McLurg High School. In the fall I will be attending the University of Saskatchewan for a bachelor of science in food science. My hobbies include cooking, reading, and playing with my dog, Snowy. For as long as can remember, I have loved learning new, interesting things and this has transferred to me doing science fair projects and having many great experiences because of it.