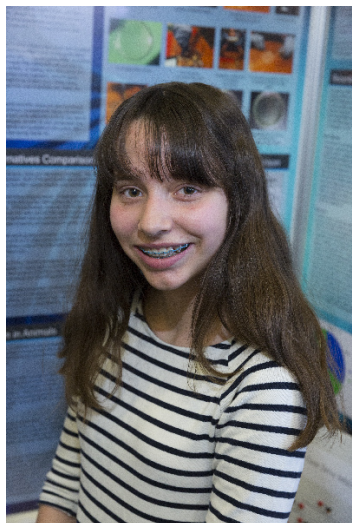


## CWSF 2018 - Ottawa, Ontario



### Brooklynn Watson

#### Genome Engineering Technologies

**Challenge:** Health

**Category:** Junior

**Region:** Northern Vancouver Island

**City:** Sointula, BC

**School:** A.J. Elliott Elementary

**Abstract:** I studied genome engineering technologies and their various theoretical and experimental applications. These include animal conservation, curing and preventing diseases in humans, and population modification using gene drives. Genetic modification is an important topic, although controversy has arisen from its rapid advancements. My research will help inform the public enabling them to be part of the conversations necessary to set ethical standards of practice.

#### Biography

My name is Brooklynn Watson and I am a Grade 7 student from Sointula, BC. I have been attending school and regional science fairs every year since kindergarten, and I plan to continue competing in science fairs throughout high school. I enjoy participating in gymnastics, karate, piano, ukulele, and soccer and I love to read. My favourite series are, "The Wheel of Time" by Robert Jordan and "Harry Potter" by J.K. Rowling. My very first science fair in kindergarten was about extracting DNA from fruit, and my passion for the topic has only grown since then. I chose this year's project after researching genetically modified crops for last year's science fair, and I decided I wanted to further my knowledge of genetic engineering. I am hoping to continue to learn about, and study, genetics in future science fair projects. I plan to get a degree in science after completing high school. My advice to other students working on projects would be to work hard, try your very best, and don't give up when things are challenging. I am very honoured to have been selected for the Canada Wide Science Fair of 2018 in Ottawa.

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000

