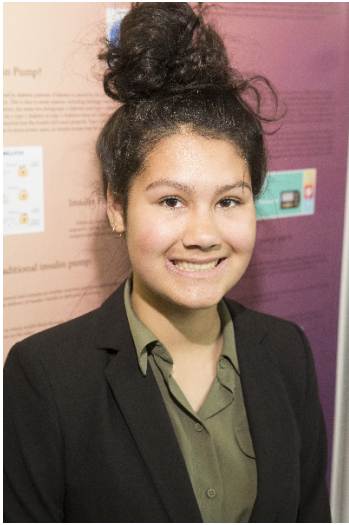


## CWSF 2019 - Fredericton, New Brunswick



### Riley Last

#### Tube-y or Not Tube-y: Traditional vs. Modern Insulin Pumps

**Challenge:** Health

**Category:** Intermediate

**Region:** Northern Vancouver Island

**City:** Gold River, BC

**School:** Gold River Secondary

**Abstract:** With today's revolutionary technology playing a part in industries around the world and even in our own lives, one of the most important ways tech can be utilized is through healthcare. Insulin pumps are one of many medical devices that make managing chronic illnesses simpler. A deeper understanding of components and features of traditional and modern insulin pumps allow the formation of an unbiased conclusion.

#### Biography

Hello, I'm Riley Last, a grade nine student at Gold River Secondary School, located in a small village on the west coast of British Columbia. I enjoy being a part of Junior Canadian Rangers and I represent my school as the Vice President and Secretary of the Student Council. I've had a passion for medical sciences since 2015 when I decided I wanted to go to university and obtain a bachelor's degree in science. I later decided to major in microbiology and pursue a career in pediatric endocrinology. This choice was made based on my desire to work in the medical field and to help other children understand diseases and conditions they have to manage. In my personal experience, managing the endocrine disease, diabetes, is a lot easier with the right technology. This is what gave me inspiration to study insulin pumps and diabetes management equipment. My advice to other students developing a science fair project would be to be passionate about their field of study. If you are genuinely interested in the subject, it becomes easy to absorb and communicate the information, and it makes science fair fun!

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040