

## CWSF 2019 - Fredericton, New Brunswick



### Tanner Eckersley

#### Vision Therapy and Post Traumatic Vision Syndrome

**Challenge:** Health

**Category:** Junior

**Region:** East Kootenay

**City:** Cranbrook, BC

**School:** Parkland Middle

**Abstract:** After suffering a concussion four years ago, I now have Post Traumatic Vision Syndrome, which causes my eyes to shake violently back and forth whenever I read. This is called ocular flutter. Under the direction of a medical specialist I used a neuroplasticity visual training program called Neurotracker to attempt to decrease my ocular flutter allowing me to read for longer than 31 seconds.

#### Biography

My name is Tanner Eckersley. I am 14 years old and live in the small town of Cranbrook, British Columbia with my older sister, my parents, and my dog, Molly. I have been participating in science fairs since I was 7 years old. Last year was my first CWSF in Ottawa, and I am excited to return to CWSF in Fredericton this year with my experiment on Post Traumatic Vision Syndrome and Vision Therapy. This year my project is very personal, as I am determined to solve my vision issues after suffering a traumatic brain injury four years ago. In my spare time I love to mountain bike, play volleyball and basketball, ski, and generally enjoy being outdoors and playing sports. In the future I plan to have a career in athletic therapy or neurology.