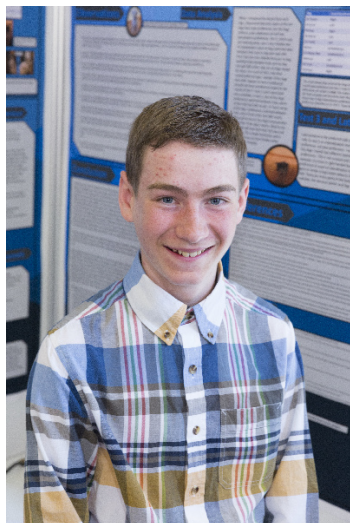


## CWSF 2018 - Ottawa, Ontario



### Bruce Porter

#### South Paw ? Examining Paw Preference in Dogs and Connections to Human Handedness

**Challenge:** Discovery

**Category:** Junior

**Region:** Yukon Stikine

**City:** Whitehorse , YT

**School:** Golden Horn Elementary

**Abstract:** For years scientists believed humans were the only species to have hand preferences. Scientists overlooked the possibility that other species might too. In this project, I find out if dogs have paw preferences using 4 tests observing which paw is used first. I researched connections between paw preference and behaviour in dogs. I investigated how humans' preferences are decided and compare humans to dogs.

#### Biography

My name is Bruce Porter. I am a grade 7 finalist from Golden Horn Elementary School in Whitehorse, Yukon Territory. In the winter I do Biathlon. I am participating in the 2018 South Slave Arctic Winter Games for Biathlon. In the Summer, I paddle with Flatwater Yukon. I am very excited to be going to the CWSF! I enjoy making interesting science fair projects that investigate things that are not commonly thought about. In 2016 I made an interactive "glowing" project about how heat affects glow sticks. I won Students Choice award for that project at the Regional Science Fair. This year, my project investigates paw preferences of dogs. I love doing fun things with my dog such as agility and nose work. That is where my inspiration came from. If I can have fun with my dog whilst making an award winning project, I'm in! To further investigate, I decided to test 9 more dogs so I could get more accurate and interesting results. I have also done way more research to fully understand the topic. I highly suggest putting lots of effort into a science fair project because you never know where it could take you!

#### 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

