

## CWSF 2016 - Montreal, Quebec



### James Storey

#### Camping Stove Efficiency For Summertime Alpine Hiking

**Challenge:** Discovery

**Category:** Junior

**Region:** Yukon Stikine

**City:** Whitehorse, YT

**School:** F. H. Collins

**Abstract:** In this project I tested 10 different alpine camping stoves and 2 different pots for fuel efficiency, weight and speed. I weighed each stove, timed how fast it took them to boil water and weighed how much fuel they used. The Isobutane/Propane stoves were the fastest and most fuel efficient but this did not overcome the low initial weight of the alcohol stove systems.

#### Biography

My name is James and I got the inspiration for my project from my love of hiking and camping trips. I have loved the outdoors for as long as I can remember. I intend to continue my experiments with camping stoves by testing how the stoves do boiling different temperatures and amounts of water and at different altitudes. I would advise a student thinking about doing a project to chose a topic that they are passionate about because inspiration is vital. I am enrolled in the F.H. Collins grade 8 French Immersion program in Whitehorse, Yukon. The Yukon has been my home for six years and I am privileged to have access to remote alpine environments. I wish to be an engineer and I have a great enthusiasm for Math.