



## CWSF 2017 - Regina, Saskatchewan



## Biography

My name is Jaden Ford, I am 17 years old, and I am from Dawson Creek, British Columbia. Growing up, in a province such as British Columbia, I have always been strongly connected to our beautiful nature and our extensive environment. In 2015, during my travels to Beijing China on an educational exchange, I noticed the devastating air pollution which was present. My travels and world experiences had revealed the shocking truth of pollutants around the world. I began becoming more and more fascinated by how simple processes were irreversibly destroying our global agriculture, and I knew I could do something about it. In 2016, I created a research project titled AIRPOCALYPSE. AIRPOCALYPSE was an investigation into the effect of air pollution on the human respiratory system. I was able to learn of the consequences of air pollution on us as a population, but I then remembered why this all started; my love for the environment. I then created CO2NSEQUENCES, an experiment to find the effect of excess Carbon Dioxide exposure on plant life, growth, and chlorophyll content. This has brought me to where I am today, on my path to pursuing my dream of becoming an Environmental Engineer.

## **Jaden Ford**

## **CO2NSEQUENCES**

Challenge:	Environment
Category:	Senior
Region:	Northern British Columbia
City:	Dawson Creek, BC
School:	South Peace Secondary
Abstract:	'CO2NSEQUENCES' is an investigation into the effect of excess Carbon
	Dioxide (CO2) on plant life, growth, and chlorophyll content. A 28-day,
	short-term exposure trial, consisting of nine developing Kalanchoe
	blossfeldiana plant samples was performed. Daily exposure to varying
	concentrations of CO2 (5.0 grams and 10.0 grams) were tested each day.
	Measurements, photos, and chlorophyll samples were taken for each plant.

Awards	Value
Excellence Award - Senior - Bronze Medal	
Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship	\$1 000
Senior Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$2 000



Youth Science Canada PO Box 297 Pickering ON L1V 2R4 www.youthscience.ca / info@youthscience.ca 416-341-0040

