

# CWSF 2018 - Ottawa, Ontario



## Aidan Mundle

### Small Engine Carbon Capture

**Challenge:** Environment

**Category:** Senior

**Region:** Quinte

**City:** Napanee, ON

**School:** Albert College

**Abstract:** Small engines are polluting surprising amounts of carbon dioxide into the atmosphere. In this project, a chemical reaction was used to reduce carbon dioxide emissions from small four-stroke engines by 42%. Two prototypes were built to address the issue of carbon dioxide emissions, both using common materials.

#### Biography

Hello! My name is Aidan Mundle. I am an 11th-grade student at Albert College, in Belleville Ontario. I play three instruments and love to be outdoors. I participate in many outdoor education programs and have numerous canoeing and kayaking certifications, as well as wilderness first aid qualifications. I came up with the idea for this project at an entrepreneurial think tank called SHAD, where I was given the challenge of finding a way to reduce Canadian's carbon footprint. I did some research and found the statistics that provided the drive for this project. I plan to market this innovation in the future and to bring it to greater heights using the advice that I collect at this fair. I would advise other students to stick with their project even if it looks like it might fail. They should change a few things, and try again.

#### Awards

#### Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
Carleton University Entrance Award Senior Bronze Medallist - \$1,000 Entrance Award Sponsor: Carleton University	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$3 000</b>