

## CWSF 2016 - Montreal, Quebec



### Lucas Harvey, Chace Benson

#### E.V.A.C.

**Challenge:** Innovation

**Category:** Senior

**Region:** Western Manitoba

**City:** Brandon, MB

**School:** Crocus Plains Regional Secondary

**Abstract:** Imagine there is a fire in your home, it could take first responders up to 10 minutes to reach you, in which time the fire runs rampant. Our idea is that if there was a device in the home that could take care of the fire before first responders even get there, it would save hundreds, even thousands of dollars worth of damages.

#### Biographies

Lucas - I am Lucas Harvey, a 9th grade student at Neelin high-school and at Crocus plains high-school. I live in Brandon, Manitoba with my mother, father, and younger sister.

My hobbies include fencing, computer programming, and electronics. My best subjects are math, science, and English. For my post-secondary education, I intend to attend university in a field of technology, although that decision is still a while away, and nothing is set in stone. The inspiration for my project comes from my general interest in the field of computer programming (although I am self-taught, and this is my first project) I simply wanted to see if I could create such ...

Chace - We got the idea of the robot from our teacher, who asked us for a final project to create a small robot that could navigate a small maze and put out a candle, we said no, we could do better, and we did. We have both competed multiple times in the Skills Manitoba Competition in which we designed robots that could do a set task, such as play crokinole, or gather PVC pipe pieces and place them on a pyramid.

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