

## CWSF 2018 - Ottawa, Ontario



### Elizabeth Edwards, Grace Eamer

#### Are Chemicals Needed?

**Challenge:** Innovation

**Category:** Junior

**Region:** United Counties

**City:** South Glengarry, ON

**School:** Charlottenburgh & Lancaster District H.S.

**Abstract:** We tested store-bought sunscreen and homemade sunscreen to see if the harmful chemicals in store-bought sunscreen are actually necessary. We tested this by using different materials to replicate human skin and their tendencies to burn, to see if our natural, homemade sunscreen would do just as good of a job as the store-bought ones. We determined that no, chemicals in store-bought sunscreen are not needed.

#### Biographies

Elizabeth - My name is Elizabeth Edwards, and I am a grade 8 student at Char-Lan District High School. I am on the student council. Outside of school, I enjoy curling, figure skating and horseback riding. My partner and I thought of doing this project because there is a history of skin cancer in my partner's family and she has to be careful to put on enough sunscreen. We looked at the back of the bottle out of curiosity and found that we couldn't pronounce half of the ingredients listed. We researched the ingredients that we could pronounce and found that they are very bad, so we decided that we should make our own natural sunscreen. We tested 3 diff...

Grace - My name is Grace Eamer, and I am a grade 8 student at Char-Lan District High School. Outside of school, I enjoy Highland Dancing, Horseback Riding, Curling, and Pole Vaulting. In the future, I hope and plan to attend the University of Waterloo, for their architecture program. I thought of doing this project because there is a history of skin cancer in my family, so we all have to use sunscreen on an everyday basis in the summer. I was looking at the sunscreen bottle with my partner, Elizabeth and realized that we couldn't even pronounce half of the ingredients listed. My partner and I then researched some of the ingredients and realized that ...

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