

## CWSF 2016 - Montreal, Quebec



### Leah Macfarlane, Claire Larson

#### Soil Sterilization

**Challenge:** Discovery

**Category:** Intermediate

**Region:** Southeast Saskatchewan

**City:** Carnduff, SK

**School:** Carnduff High

**Abstract:** Our experiment was designed to test which method of soil sterilization was the most effective for root and plant growth including the process of transplantation. We tested three methods, steam, oven, and microwave, using tomatoes, radishes, lettuce, and parsley. After vigorous testing and analysis, we discovered that steam sterilization was most effective with microwave following close behind.

#### Biographies

Leah - My name is Leah Macfarlane. I live in Carnduff, Saskatchewan and attend school at Carnduff Education Complex. I am actively involved in different school sports such as volleyball, track, and cross-country. This past October I attended cross-country provincials and finished eighth. I also play piano and violin and have completed up to grade eight RCM in piano and grade two RCM in violin. I was also the recipient of the Grade One Violin Saskatchewan Gold Medal. In the future I plan to attend post-secondary education and finish a degree in music. We were inspired for our project by the downturn of the economy in our area. We wanted to investigat...

Claire - I am from Carnduff Saskatchewan and am 14 years old. I attend Carnduff Education Complex and am involved in many activities around the school including, track and field, cross-country and the Student Leadership Council. I am actively involved in bowling and have attended two national tournaments representing Saskatchewan. In the future, I hope to attend the University of Saskatchewan to accomplish my dream of becoming a registered nurse. My partner and I got the inspiration for our project from our interest in plants. We wish to continue our experiment by planting the tomatoes we grew and watching the development of the fruit they might produ...

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