

## CWSF 2009 - Winnipeg, Manitoba



### Andrea Hoffman

#### Sprout Into Action

**Division:** Physical & Mathematical Sciences / None

**Category:** Intermediate

**Region:** Carlton Trail

**City:** Bruno, SK

**School:** Bruno

**Abstract:** This project was an experiment to determine if presoaking seeds in different solutions would speed up the process of germination. I used wheat, canola, radish and carrot seeds. I soaked them in solutions of water, hydrogen peroxide, hydrochloric acid, isopropyl alcohol, and pineapple juice for 24 hours. The final germination results concluded that water is the best solution for speeding up the process of germination.

#### Biography

Andrea Hoffman- I live on a farm near Bruno, Saskatchewan with my parents. I have two older sisters. I am 15 years old and currently in grade 9 at Bruno Central School. I enjoy and participate in all school sports, activities, and clubs; including volleyball, track and field, badminton, house system activities, House Recorder for the House of Athens, a member of the YES Team, and Drama Club. Other sports I play are broomball and softball. I have been taking voice and electronic organ lessons for the last nine years. I participate in music festivals and have been the recipient of several awards. I love to dance and have taken lessons for ballet, jazz, tap, lyrical, musical theatre and hip-hop for 7 years. Our dance club attends three different competitions per year and has two, year-end recital performances. I am a member of our local Church Choir and Youth Choir. I sing for special occasions like weddings, graduations, anniversaries, and funerals. I am a Jr. Youth Rep on the church's Parish Council, youth helper at the Bruno Bible Camp, Parish Bazaar, and Cherry Festival. In grade four I was chosen to attend the National Heritage Fair in Montreal, Quebec.