

# CWSF 2018 - Ottawa, Ontario



## Monis Sayyid, Jack Sloan

### Germination Determination

**Challenge:** Resources

**Category:** Junior

**Region:** Rideau-St. Lawrence

**City:** Elizabethtown, ON, Lyn, ON

**School:** Brockville Collegiate Institute

**Abstract:** The purpose of our project was to determine whether changing water temperature would affect the rate of germination in corn, beans, tomatoes, and cucumber. We watered seeds at 11 different temperatures for 10 days. We discovered that water temperatures around 50°C had the best rate and speed of germination. Warming irrigation water could save the agriculture sector a lot of money and time.

### Biographies

Monis - I am 13 years old, in grade 8 at Brockville Collegiate Institute. My passion is to try new things, be it sports, science or music. I played in the school teams of badminton, volley ball, soccer, and basketball. I learned to play guitar and piano. I love to take leadership roles and I am a member of student council and WEB. I love math, but my true interests lie in science. Exploring how and why things happen and experimenting new ways to do things. I like to travel and go on adventures. I want to become a neuro surgeon. Since farmers plant their seeds in spring once the ground defrosts we thought if the water temperature would have any effect...

Jack - I attend Brockville Collegiate Institute in Brockville, Ontario and this is my second CWSF. I play many sports including Hockey, Soccer and baseball. At school I enjoy science, math and gym, Outside of school I like to play with friends, explore and learn. When I grow up I would like to become an anesthesiologist or a pediatrician. Overall I have a great childhood and a loving family, I'm quite the lucky kid! When we began this project we had no idea that we would end up spending a week in Ottawa and speaking with some of the greatest minds Canada has to offer. If I could give any advice to kids that will take part in future science fairs it ...

### Awards

### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Challenge Award - Resources - Junior Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 000</b>