

## CWSF 2016 - Montreal, Quebec



### Zwetlana Rajesh

#### Testing the Acceptance of Phantom Limb in Non-Amputees

**Challenge:** Health

**Category:** Intermediate

**Region:** Renfrew County

**City:** Pembroke, ON

**School:**

**Abstract:** The experiencing of body parts that are not present on your body is called a 'Phantom Limb'. This experiment was conducted to test if the brain of a non-amputee accepts a simulated phantom limb as part of their body. This technique utilizes the phantom limb sensation to help with proper and faster reorganization of altered sensory and motor maps in brain.

Awards	Value
Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	\$250
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 250