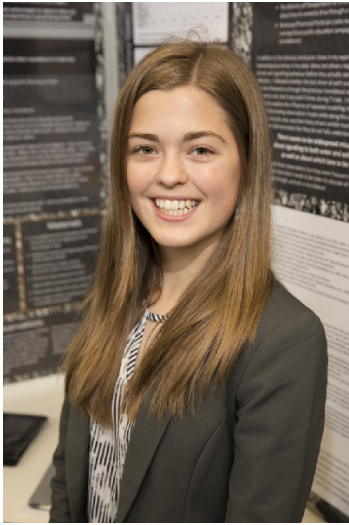


# CWSF 2016 - Montreal, Quebec



## Ruth Meyer

### The Impact of Modelled Exit Signalling Behaviour on Other Drivers In Roundabouts

**Challenge:** Discovery

**Category:** Junior

**Region:** Waterloo-Wellington

**City:** Waterloo, ON

**School:** Centennial P.S.

**Abstract:** One only needs to drive a short distance within Waterloo Region to notice many inconsistencies with the way people enter, navigate through and exit a roundabout. Through observation, this project examined the impact of modelled correct exit-signalling on the behaviour of other drivers in roundabouts. Data collected clearly supports that modelling correct exit-signalling leads to a significant increase in this behaviour by other drivers.

#### Biography

I am a grade 8 student at Centennial P.S in Waterloo, Ontario. When not observing the behaviour of drivers in roundabouts, I can be found reading, sketching, figure skating or playing the piano or my bass clarinet. The inspiration for my project developed over time from listening to all of the conversations about correct driving behaviour my parents are having with my newly licensed 16-year-old brother. We live fairly close to a series of 6 roundabouts and we navigate through them often. I became fascinated with the lack of consistency drivers show when entering and exiting roundabouts. I am thrilled to be sharing my findings about the impact of modelled driving behaviour on other drivers at the Canada-Wide Science Fair. I am curious to further explore if the small-scale changes I observed due to modelled exit signalling could perhaps snowball and lead to a positive change in the culture of roundabout driving in Waterloo Region and beyond.

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000