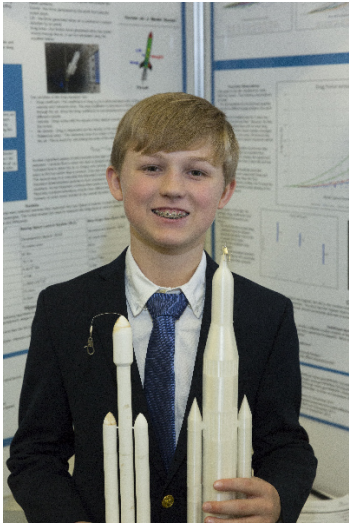


# CWSF 2018 - Ottawa, Ontario



## Henley Mullins

### Rockets are Such a Drag

**Challenge:** Discovery

**Category:** Junior

**Region:** Eastern Newfoundland

**City:** St Johns, NL

**School:** St. Bonaventure's College

**Abstract:** The project compared the aerodynamic efficiency of three rockets (Falcon Heavy, Space Launch System and New Glenn). A wind tunnel was built that could test 3D-printed model rockets at speeds of up to 30 kilometers per hour. Drag force was measured and the aerodynamic drag coefficient was calculated.

#### Biography

My name is Henley Mullins. I am a grade 7 student at St Bonaventure's College in eastern Newfoundland. My interests include tinkering and rockets (following SpaceX). I am also an avid reader, play the string bass and love the outdoors. I want to be a mechanical engineer when I grow up. I believe that SpaceX and other private space companies will lead humanity into the future of space.

#### Awards

#### Value

CAP Physics Prize - Junior Sponsor: Canadian Association of Physicists	\$500
Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 500</b>

