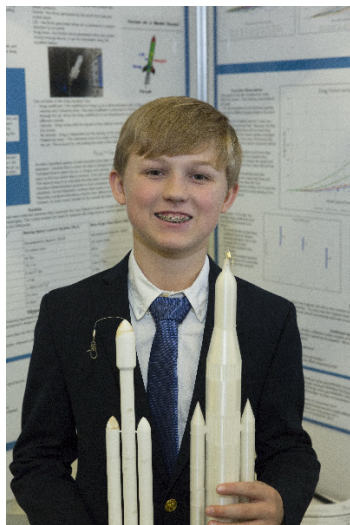


CWSF 2018 - Ottawa, Ontario



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
Total	\$1 500