

# CWSF 2018 - Ottawa, Ontario



## Rory Wimberley

### Utility Stability: The Effectiveness of Self-Built Camera Stabilizers

**Challenge:** Discovery

**Category:** Junior

**Region:** Greater Vancouver

**City:** North Vancouver, BC

**School:** St Thomas Aquinas

**Abstract:** Many independent filmmakers have entered the film industry through online platforms. These low budget filmmakers have increased the demand for cost-effective equipment. My passions for both filming and building equipment motivated me to investigate whether a cost-effective camera stabilizer could be built to compete equally with more expensive retail versions and to meet this demand.

#### Biography

I am Rory Wimberley and I am a honour roll student at Saint Thomas Aquinas Secondary School in North Vancouver, British Columbia. My family and I moved from Johannesburg, South Africa almost five years ago. I love learning new topics related to STEM, and creatively applying my problem solving skills to new ideas. In my spare time I enjoy freestyle skiing, competitive tap dancing, cross country running, improvisation club, art, volunteering at a Soup Kitchen, creating stories using the visual media, woodworking and metalworking. In planning for my scientific experiment, I wanted to involve these eclectic passions. I then devised an experiment where I tested if I was able to create a camera stabilizer that would compete equally to commercial higher quality stabilizers. After winning the Best Project Award at my school Science Fair, the experiment proceeded to the Greater Vancouver Regional Science Fair. At this event it was awarded a Gold Medal, the Engineering and Geoscientists of BC Award, the Science World Award, and the opportunity to participate at the Canada Wide Science Fair. I believe the key to a successful science fair project, or any work, is to transfer the energy of your passions to your audience.

#### Awards

#### Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 000