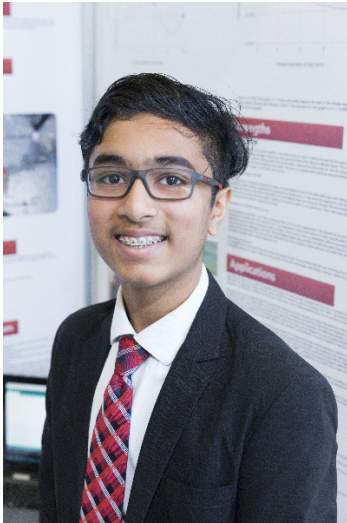


# CWSF 2018 - Ottawa, Ontario



## Ankur Boyed

### Golf Balls: Future of Vehicle Design

**Challenge:** Innovation

**Category:** Junior

**Region:** Peel

**City:** Mississauga, ON

**School:** Tomken Road Senior P.S.

**Abstract:** The dimples on golf balls provide it with increased lift and reduced drag, allowing it to fly further. In my experiment, I was changing the size of the dimple in order to see if it would affect the speed of the ball. If dimples were added to vehicles, it could make them more efficient, saving millions of dollars on fuel and reducing greenhouse gas emissions.

#### Biography

Hello, my name is Ankur Boyed in grade 7, from Tomken Road Middle School in the Sci-Tech program in Mississauga. My hobbies consist of programming in Java and Python. I enjoy Math and Science. I play sports such as volleyball and basketball. I also play Drums, Piano, as well as the Alto Saxophone. I have participated in many programming and science competitions such as the Bridge Building Competition and won second place in Peel Skills Challenges and the First Lego League. With the knowledge gained from these experiences, I aspire to become a software engineer who is capable of making a significant change in the world. I got the inspiration for my project by watching a video on the purpose of dimples on golf balls and begun wondering how changing the size of the dimple could affect its aerodynamic shape. I have started to look into applying dimples to RC cars as a smaller scale for regular cars. I believe that other students who are doing a science fair project should think of unconventional ways to improve our lives.

#### 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