

# CWSF 2017 - Regina, Saskatchewan



## Ariz Babul

### Sleep... Let's Get to the Brux of the Matter!

**Challenge:** Innovation

**Category:** Junior

**Region:** York

**City:** Vaughan, ON

**School:** Richmond Hill Montessori and Elementary Private School

**Abstract:** Sleep bruxism afflicts a large percentage of the population. Current methods of diagnosis are not very accurate. Therefore, a diagnostic appliance was created for measuring bruxism objectively. The device consisted of a force sensor and an Adafruit board. It was tested on dental models mounted on an articulator. The results indicate that the device can be very effective in diagnosing bruxism with objective data.

## Biography

Ariz Babul is a grade seven student at RHMS Private School. Ariz has been part of his Student Council for the past two years, and enjoys the opportunity to contribute to his school life and academics. He enjoys sports, comics and superheroes, watching television and movies, playing video game, reading, listening to music, public speaking, and graphic design. Ariz enjoys learning all the subjects that he takes in school, but he has a keen interest for the sciences. To that end, he has won a gold medal in his school science fair for the last three years. This year, Ariz decided to take his interests in antimicrobials to a new dimension by testing turmeric and its potential antimicrobial effects against a well-known pharmaceutical agent. For the future, Ariz plans to expand his knowledge and interest in sciences by learning about all areas of science.

## Awards

## Value

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|---|---------|
| Excellence Award - Junior - Gold Medal<br>Sponsor: Youth Science Canada                                       | \$250   |
| Western University Scholarship<br>Gold Medallist - \$4000 Entrance Scholarship<br>Sponsor: Western University | \$4 000 |
| Total   | \$4 250 |

