

CWSF 2014 - Windsor, Ontario



Ashlee Wheaton, Jami Campbell

Cruising Without Bruising

Challenge: Innovation

Category: Senior

Region: Chignecto West

City: Enfield, NS, Lantz, NS

School: Hants East Rural High School

Abstract: The CW Device is designed for children who suffer from seizures, by preventing hyperextension of the head and neck. The CW Device is an added safety feature to the average car seat, which was created by evaluating elements of cars seats, mannerisms of seizures, along with the Hans Device method. This innovation creates a custom car seat targeted for children with Epilepsy or seizure prone.

Biographies

Ashlee - The inspiration for my project came from a brainstorm myself and my partner did while trying to come up with an idea for our classroom science fair. My partner is very interested in Biology and I am very interested in Physics, our project comes from our combined interests along with the idea of the HANS device. As for future investigations this we would love to be able to test in a more accurate ways to see if in fact our results were correct in saying that our device does work. Advice: Be creative and choose something you have an interest in. Always take all the opportunities your given and work your hardest at them.

Jami - The inspiration for our project came from both my partner and I. While my interest lies heavily in the field of biology, my science fair partner loves the physics aspect of science. We also both love kids, and wanted to do something to help them. Together we mixed our fields of interest, and created our innovative device. For further investigations, we would be very interested in testing the project and device more thoroughly, if ever given the opportunity to do so, along with minimizing our sources of errors. It would be wonderful to work on this apparatus and make this a product that could actually help our targeted 'consumers'. Advice I wo...

Awards

Value

Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	\$300
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2500 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Ottawa	\$2 000
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$8 800

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