

# CWSF 2015 - Fredericton, New Brunswick



## Aiden Haddad

### Pendulum Transportation System

**Challenge:** Innovation

**Category:** Junior

**Region:** Quinte

**City:** Belleville, ON

**School:** Harry J. Clarke P.S.

**Abstract:** Current modes of transporting freight employ different standards and techniques requiring investments in infrastructure as well as high operating costs over distance and time. This innovation uses gravity to its advantage by utilizing a series of pendulums to transport a load. The load handover continues between adjacent pendulums in one direction till the load reaches its destination maximizing both efficiency and safety.

#### Biography

I am from the Destinations program at Moira SS. This program encourages students to be active learners and global thinkers. I was born in Ottawa, Ontario and moved to Belleville at the age of 2. I am also part of a military family and enjoy reading, tennis, playing the saxophone and building and flying RC planes with my older brother. I am also a member of the 608 Dukes Air Cadet Squadron which promotes leadership and team work through orienteering, volunteerism and other citizenship activities. I have placed first in 4 Quinte Regional Science and Technology Fairs and I really enjoy the investigative process of thinking about a topic, researching it, experimenting and then discussing my findings. This is my first time at CWSF and I am excited to be presenting my idea of a new conveyance scheme called "Pendulum Transportation". I got the idea for this after thinking about the effectiveness of our current modes of transportation. My system is an innovative method of transportation that could positively change or complement our current system and still convey the same versatility and applications.

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000