

CWSF 2016 - Montreal, Quebec



Nick Cusack

Leave the Gas, Save the Grass

Challenge: Innovation

Category: Intermediate

Region: Fundy

City: Summerville , NB

School: Hampton High School

Abstract: For my project I created a regenerative system for an electric vehicle. The concept recharges the car as it drives, theoretically letting it drive without ever having to stop and recharge. I was able to create enough energy wasted in the spinning wheels to be able to recharge the battery without having to plug it into an outlet to charge.

Biography

My name is Nick Cusack, I live on the Kingston Peninsula just outside of Saint John, New Brunswick. I am in grade 8 at Macdonald Consolidated School (MCS). I love to play sports, soccer and hockey are my favorite. I got the inspiration for my project from my brother's friend who broke his arm and still drove his car. I didn't think this was safe to be doing with only one arm so I built a device that would allow people to be able to grasp objects while wearing a cast. I have broken both my arms when I was young so I knew the difficulties of wearing a cast. I would like to keep working on my prototype to make it more versatile and compact. I would also like to work with the cast itself to make it easier to work with. Advice I would give to others is to take lots of time thinking about your ideas and building on them.

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