

CWSF 2011 - Toronto, Ontario



Sarah Martens

Oil Over Again

Challenge: Innovation

Category: Junior

Region: Fraser Valley

City: Abbotsford, BC

School: Barrowtown Elementary

Abstract: The purpose of this project is to create an innovation that will increase the lifespan of oil filters and the usefulness of oil in engines. The innovation I have created is using the car's electrical, direct current, battery system to create an electro-magnetic oil filtration system, that will pull out metal particulates in the oil. The gravity-fed homefiltration system cleans the oil when it's dirty.

Biography

Hi I am Sarah Martens. I live on a poultry farm with lots of animals. We have two dogs, Dudley and Misty. I love them lots and I always manage my time wisely so I can play with them lots. I also ride horse for pleasure. When I ride I feel free. I'm a really good student. Some of my achievements are being a straight 'A' student, making it to finals in public speaking, being a house captain at school, and getting many other academic awards. I played basketball and volleyball on our school teams. Out of school, I play piano in level four and attend a youth group at my Church. When I am older I would like to be a teacher, or a veterinarian because I love animals.