

CWSF 2011 - Toronto, Ontario



Lorena Villoria

Electric Colours

Challenge: Discovery

Category: Intermediate

Region: Wood Buffalo

City: Fort McMurray, AB

School: Father Patrick Mercredi Community School

Abstract: This experiment was conducted to see if it was possible to alter the colour of metals, and then reverse the change. Gold, silver, copper and galvanized-steel were put in an anodizing solution to see which would change colour. Results showed the silver was the most affected. It was then treated to reverse the change. The process was successful, and therefore so was the experiment.

Biography

My name is Lorena Villoria. I am originally from Caracas, Venezuela, so therefore I can also speak Spanish. I love to read, especially novels. Jodi Picoult (author of My Sister's Keeper) is one of my favourite writers. My interests are in the medical fields, so I love medical shows. I have participated in my school band by playing the flute for over 4 years. Over the past 3 years I have won 5 gold medals, 1 silver medal and one award for my work in sciences. I have participated in math competitions, as well as spelling bees. In 8th grade I was awarded with the Highest Academic Standing Award. Also in 6th grade I obtained 2 100% on my achievement tests, and was recognized by the Catholic school board. After graduation I aspire to get into an university (hopeful ivy league), and become either a psychologist or a NICU Doctor.