

CWSF 2014 - Windsor, Ontario



Mavi Deol

Now You See It, Now You Don't

Challenge: Environment

Category: Junior

Region: Lambton County

City: Sarnia, ON

School: Cathcart E.S.

Abstract: BPA or Bisphenol A, a chemical in polycarbonate plastics is known to be toxic, but BPA is still being used in the thermal lining on some receipt paper. This project shows the effects of BPA on the growth of plants like Mung, Arugula, and Radish in vitro, in soil and in a simulated landfill. Its harmful effects on Daphnia and aquatic plants is also shown.

Biography

I am a grade 7 student at Cathcart Boulevard, Sarnia, Ontario who loves Math, Science (of course), and Geography. In grades 1-3, I participated in the Odyssey of the Mind competitions and found solutions to problems in flight, robotics, and drama. I represented Canada at the World Finals three times. Our Robotics team won the Regionals of the First Lego League. I enjoy playing the piano, swimming, volleyball and basketball. Last year my project on finding an environmentally friendly way to get rid of dandelions won me a Gold Award in the Junior Division of the Lambton County Science Fair. I kept up my interest in environmental sciences and this year wanted to find out the effect of ink used in receipt paper. I noticed that receipts tend to fade away over time. The more I read about it, the more I wanted to find out its effect on the growth of plants. Future Investigations: To find out alternative methods/chemicals that can be used in transactions involving receipts. I want to protect the common man who unknowingly is handling toxic chemicals. Advice to other students: Keep up your creativity in making new inventions and technologies, but please keep it GREEN.

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