

CWSF 2014 - Windsor, Ontario



Emma Hoppins

Red Apple - Green Apple

Challenge: Discovery

Category: Junior

Region: Central Alberta

City: Olds, AB

School: Deer Meadow School

Abstract: Emma Hoppins/Red Apple, Green Apple "Clarity", "sweetness" and "full of flavour" bombard most apple juice labels. In order to make a visually appealing product as well as a palate pleasing taste, juice manufacturers use enzymes. This project isolates pectinase, one of the enzymes used worldwide in commercial juice production.

Biography

My name is Emma Hoppins. I attend grade 7 at Deer Meadow Middle School in Olds, Alberta. Activities I participate in include hockey, soccer, volleyball, basketball, badminton, track and field, cross country running, piano, and band. I also teach Sunday school to 3-5 year olds and I am active in my church. I am part of a service group called Care Club and I have had the privilege to attend WE Day twice. I love being outside rollerblading, scootering, bike riding, hiking, camping, swimming, boating, water and snow skiing. I have performed in the local Music Festival for grade 6 piano. My accomplishments include numerous individual and team awards in several sports. My inspiration for doing this project was to gain a greater appreciation for cells and their functions. I am interested in studying why processes work and how each function together. I would like to further investigate enzymes to discover techniques to break down cells such as cancer or diseases. Science is awesome! I have participated in science fairs since I started school and I have learned so much cool information. Spend the time, be diligent, do what you love, it is worth all of the hard work.

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040