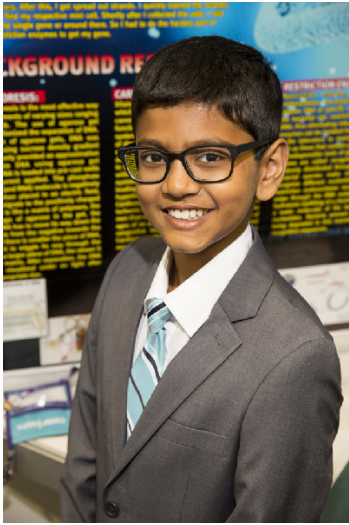


CWSF 2015 - Fredericton, New Brunswick



Devarsh Shah

Life's 2nd Chance with Gene Therapy

Challenge: Health

Category: Junior

Region: Lambton County

City: SARNIA, ON

School: Rosedale E.S.

Abstract: The goal of this project, is to support the mutated genes in the heart walls by conducting gene therapy to stop Dilated Cardiomyopathy, which is a heart disease, and give it a new and efficient cure. I have started my genetic therapy experiment, which includes methods like Gel Electrophoresis. I have found out that my DNA fragments are suitable for genetic engineering research.

Biography

My name is Devarsh Shah. I am 12 years old, and go to Rosedale public school in Sarnia, Ontario. I am currently a member of the 44 Sarnia Imperial Royal Canadian Air Cadet Squadron. I love air cadets, because of what we learn, and the experiences. I am the programmer in our school's First Lego League (FLL) robotics team, Team Royal Thunder. I love to read, play tennis, and take part in various science activities. This is my first time coming to the CWSF. I am very proud to represent my region. After learning, 1,400 people die of Dilated Cardiomyopathy (heart disease) I decided to do my project related to Genetics. I plan to test my experiment, as further instructions, with experts, of course. I plan to pursue a career that is in the field of science. My suggestion to other students to take part in the science fair. The importance is not to win or lose, but to gain some valuable knowledge.