

## CWSF 2007 - Truro, Nova Scotia



### Michael T. Lemanski

#### Relation of Atomic Mass, Density and Crystal Structure to Elasticity

**Division:** International / None

**Category:** Junior

**Region:** Toronto

**City:** Toronto, ON

**School:** University of Toronto Schools

**Abstract:** The purpose of the project was to study the relation of atomic mass, density and crystal structure to elasticity. It consisted of a theoretical study which was supported by research and laboratory tests of selected materials. No variables were manipulated. The results of the experiment were compared to the original theoretical assumptions. The project concluded that the studied factors were related to elasticity as assumed.

#### Biography

I was born on October 10, 1994 in Toronto, Ontario. At the age of four I began my education in High Park Centennial Montessori School at a primary level. In September 2000 I became an elementary student there and I graduated after six years in June 2006. In the same year, after passing the entrance exams I was admitted to University of Toronto Schools where I am currently at F1 level (grade 7). I have always been interested in science, math and history. I also enjoy learning languages. Since I was five I've been practicing Taekwondo. In 2005 after six years of training I received my first black belt degree and I am registered at the World Taekwondo Federation in Korea. My other favorite sports are golf, tennis and biking. At the age of seven I have started playing piano. Recently at school I began playing cello. I enjoy reading reference books and historical fiction as well as adventure books. As a hobby I collect scaled models of cars, tanks and military vehicles. Lately, I have started collecting ancient coins.