



CWSF 2014 - Windsor, Ontario



Ethan Bickford

Magnetorheological Fluid: Can It Save Us From Earthquakes?

Challenge: Innovation Category: Senior

Region: Eastern Newfoundland

City: St. John's, NL

School: Holy Heart High School

Abstract: Cheaply creating an effective defense against natural disasters such as

earthquakes and floods, through the use of physics, chemistry, and innovative and creative engineering. By using magnetorheological fluid, your house will be suspended upon shocks which provide a solid

foundation--until an earthquake hits.

Biography

Sometimes it takes a young, creative mind to solve big problems. Being a huge theatre kid and imaginative photographer, I have a very creative mind and used that to my advantage when creating my project which hopefully solved a big problem. Before attending my first science fair this year, I will be on another trip as part of a speak off I won earlier this year as well.





