

CWSF 2012 - Charlottetown, Prince Edward Island



Refraction Action

Challenge: Health

Category: Intermediate

Region:

City: ,

School:

Abstract: I am measuring the sugar content in liquids using the refraction of a light beam that travels through a prism with a liquid inside. I am doing this by calculating its refraction index, known as the ratio of the change of the speed of light, using Snell's Law, $n_i \sin(A_i) = n_r \sin(A_r)$. When sugar is within the 2 mediums, the sugar causes the light to refract more horizontally.