

CWSF 2013 - Lethbridge, Alberta



Liam McKenna

Nitrogen: The gas that saves you money?

Challenge: Energy

Category: Junior

Region: Renfrew County

City: Deep River, ON

School: St. Mary's E.S.

Abstract: An investigation of nitrogen versus air: to determine the most efficient gas to inflate tires. Mountain bike tires were used in combination with various temperatures and types of valves over a standard 30-day monitoring period to assess if nitrogen or air is the most efficient gas to maintain tire pressure.

Biography

Liam Gary Robert McKenna was born in February 2000 in Nottingham, England. Since then, he has lived in 3 different time zones. He is the youngest of three boys and has traveled on three different continents including a safari in South Africa. He currently resides in Deep River, ON and attends St. Mary's School as a Grade 7 student. He was home schooled for the first 3 years of his education and for the past 2 years Liam attended a Provincial Demonstration Boarding School in Belleville, Ontario because of a learning disability with reading. The inspiration for the project came from the 4 hour one-way car trips between home and school that Liam traveled each weekend over the last 2 years. Both of Liam's older brothers are CWSF Alumnist and he plays competitive hockey as well he is a competitive swimmer.

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