

CWSF 2013 - Lethbridge, Alberta



Cole Gouveia

How Temperature Affects a Golf Ball

Challenge: Discovery

Category: Junior

Region: Frontenac, Lennox & Addington

City: Kingston, ON

School: Kingston Christian School

Abstract: Golfers are constantly faced with the challenge of different weather conditions. This project looks at how temperature affects a golf ball by measuring compression and bounce for different temperature golf balls. My results showed that the warmer the golf ball, the higher it bounces, unless it is heated to extreme temperatures, as it will deform and then bounce less.

Biography

Cole Gouveia is a seventh grade student at Kingston Christian School in Kingston, Ontario. His favourite subjects include science, math and gym. He is an avid athlete who plays both hockey and football at an elite level. Lacrosse, basketball, volleyball and BMX are amongst other sports which Cole enjoys. He loves to travel and to be outdoors especially spending time at the cottage with his family and friends. He was born in Minnesota and favourite vacation spots have included Montana, Portugal, Mexico and Cuba. Music is another of Cole's interests and he enjoys playing guitar. A curious learner, Cole loves a spirited debate. Cole has recently discovered a passion for golf and is very interested in all aspects of the game. His curiosity for the scientific factors that make for a better golf game inspired his project for how temperature affects a golf ball. He hopes to explore other scientific applications to improve his own golf game. Cole believes that the key to a fun and successful science fair project is choosing a topic that you are sincerely interested in and can apply to your own life or experiences.

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