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## Katz wins \$3,500 in STEM contest

Submitted by Wendy Li



Lamo achive

Isabelle Katz, a 15-year-old from Moraga, placed first in the mathematics category of the Broadcom MASTERS (Math, Applied Science, Technology, and Engineering for Rising Stars), giving her \$3,500 to spend on a STEM summer camp experience of her choice. Her project, "Analyzing Musical Instruments/Voice Using Signal Analysis and a Novel Color-Fingerprinting Technique for Vocal Training," used software and an algorithm to break down a musical sound into its different frequencies (see story about Katz' project in the Lamorinda Weekly archives at [www.lamorindaweekly.com/archive/](http://www.lamorindaweekly.com/archive/)

issue1316/Local-student-to-represent-

Lamorinda-in-STEM-competition.html)

The winners were honored during an awards ceremony on Oct. 29 for their achievements in science, technology, engineering and math together with their demonstration of 21st century skills including critical thinking, communication, creativity, collaborative skills and teamwork.

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