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Math Academy: a model for reaching out to underrepresented students in STEM fields.

Rogerson, Alan (ed.), The mathematics education for the future project. Proceedings of the 13th international conference 'Mathematics education in a connected world', Catania, Sicily, Italy, September 16–21, 2015. Münster: WTM-Verlag (ISBN 978-3-942197-44-1/pbk; 978-3-942197-86-1/ebook). Conference Proceedings in Mathematics Education 1, 233-235 (2015).

Summary: This workshop will focus on the hands-on activities used during the Cal Poly Math Academy, which was established in the summer of 2012 in San Luis Obispo, California. It created a partnership between Cal Poly, a State University in California, and local high school districts to reach out to underrepresented students in STEM fields. The academy's emphasis on the social aspects of encouraging these students to pursue careers in STEM fields will also be discussed.

Classification: B60 C90

Keywords: hands-on activities; summer program; underrepresented students in STEM fields