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What have we learned about giftedness and creativity? An overview of a five years journey.

Leikin, Roza (ed.) et al., Creativity and giftedness. Interdisciplinary perspectives from mathematics and beyond. Cham: Springer (ISBN 978-3-319-38838-0/hbk; 978-3-319-38840-3/ebook). Advances in Mathematics Education, 201-223 (2017).

Summary: The aim of this chapter is to offer an overview of a series of studies conducted at the University of Cyprus, regarding the definition and identification of mathematically gifted students, the relation between mathematical creativity, practical and analytical abilities, as well as the relation between giftedness, creativity and other cognitive factors such as, intelligence and cognitive styles. During our research in the field of giftedness and creativity we developed material for nurturing primary school mathematically gifted students and also explored the possibilities that technology may offer in the development of mathematical creativity. Although our research is still evolving, this chapter offers a glimpse of some of our most important findings.

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