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Polina D Sabinin* (psabinin@bridgew.edu), 374 Great Rd, Unit 12, Acton, MA 01720. *Play again! Developing spatial reasoning and visualization through games and puzzles (with emphasis on the mathematical mindset).*

Many students in introductory mathematics courses struggle with insecurities, fear, and anxiety. Anxiety and aversion to risk-taking create a vicious cycle of underperformance in mathematics. To break this cycle, instructors must create a learning-centered atmosphere with highest value being placed on risk-taking and ‘stretch’-mistakes. Fortunately, there are ample educational games and puzzles which develop students’ spatial reasoning in a non-threatening environment in class. In this workshop, the speaker will present a number of spatial reasoning games which she has used in Second Year Seminars and outreach programs, ways to assess students’ learning through games, as well as provide a short overview of the impact of mathematical mindset on meaningful learning. (Received August 29, 2017)