



Virtual Professional Development Opportunity

Playfulness in the Mathematics Classroom online and offline

This course will present possible applications of game elements with special attention to teaching mathematics. After a brief historical and theoretical summary of gamification in education, we will engage with fun mathematical games and hands-on manipulatives that can be used with students of various age groups both online and offline. You will have opportunities to experience and enjoy them online, and to reflect on how they can be used to enhance the learning of middle school and high school students online and offline. We will analyze both the mathematical content to understand how different mathematical concepts are interwoven into these games and manipulatives, and also the game elements to understand how they can be used to increase students' motivation, engagement, and learning.

Session Information:

Two 3-hour Zoom sessions - Saturday April 17 and 24 from 9am-12pm

Instructor: Judit Kardos Ph.D. is an Assistant Professor of Mathematics. She received her B.A. in Mathematics and MS in Philosophy from Eötvös University in Budapest, followed by a Ph.D. in Mathematics with a focus on Real Analysis. Her research interests as a teacher are related to teaching and learning Mathematics using the Inquiry Based Learning method. Most recently she was a panelist on IBL at Mathfest in 2019 and she presented a paper on using IBL in the Real Analysis classroom at the National IBL Conference in Denver. Judit loves games and puzzles and her newest teaching interest is the use of such games in teaching mathematics.

Application Information:

Submit this application to your PDSN Liaison by **04/03/21**. Please provide all of the requested information. Incomplete registration forms cannot be processed and will be returned.

NAME _____ E-MAIL _____

PDSN DISTRICT _____ GRADE LEVEL/CONTENT AREA _____

Contact Carla Woodward for questions: step@tcnj.edu Confirmation information will be emailed to the registrant.

PDSN Representatives: By April 10, 2021, please send Carla Woodward your districts attendee information.

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