

Clarkson University

Mathematics REU Speaker Series

Summer 2022

Friday July 1, 2022 @ 11 am in SC 356

Attend the talk via zoom:
<https://clarkson.zoom.us/j/98680644309>

The Mathematics of Crossword Puzzles

A tour through mathematical techniques used to describe and quantify crossword puzzles, including graph theory, combinatorics, and number theory. No crossword puzzle experience is needed.



Associate Professor
Department of Mathematics
Western Oregon University,

Leanne Merrill, Ph. D.

Dr. Leanne Merrill is a proud SUNY Potsdam alumna, earning a B.A./M.A. in Mathematics and a B.A. in Music in 2011. She also participated in the Potsdam/Clarkson REU in 2009, and in the Oregon State University REU in 2010. She completed an M.S. and Ph.D. in Mathematics from the University of Oregon in algebraic topology, finishing in 2017. Since then, she has worked at Western Oregon University, where she is now an Associate Professor of Mathematics. She studies the mathematics of tricks, puzzles, and games, and is interested in equity-based mathematics education and the intersection of mathematics and the arts. In her free time she plays D&D, attempts not to kill the plants in her garden, and hangs out with her pets (4 cats, 1 dog).



The Mathematics REU seminar series is weekly that has been supported by National Security Agency and National Science Foundation.

Please contact: Guangming Yao (gyao@clarkson.edu) or James Greene (jgreene@clarkson.edu) for more information.