

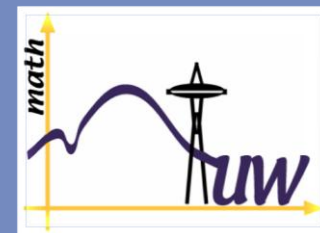
MATH HOUR @ UNIVERSITY OF WASHINGTON

A MATH LECTURE FOR GRADES 6-10

www.math.washington.edu/~mathcircle/mathhour

UW Seattle campus

Savery Hall 260



Professor Allison Henrich

*Seattle University
Mathematics*

A Mathematical Tale of Games on Knots

Abstract: When you imagine what a mathematician does all day, you probably picture someone standing at a chalkboard covered in equations and numbers. It's true that many of us do fulfill this stereotype at times, but we also draw amazing and beautiful pictures and think about things that may not seem obviously to be mathematical. In fact, there are many mathematicians who devote their time to thinking about knots. (Think: tying a knot in your shoelace or trying to untangle your headphones.) Some of us even do research on games! We invent interesting games then try to figure out what strategies players can use to win. In my talk, I will show how these two areas of research may actually be combined into an incredibly fun kind of mathematics. We'll play several games using knots and links and discuss ways we can "stack the deck" and guarantee that we win.

**April 27, 2014
Sunday, 1-2pm**