

**SCHEDULE SUBJECT  
TO CHANGE**

Math Day 2020

# Volunteer Schedule

March 23, 2020

## SCHEDULE AT A GLANCE

8:00 am – 8:55 am	Check-in: Kane Hall, 1 <sup>st</sup> Floor Lobby
9:00 am – 9:10 am	Welcome Address: TBD
9:10 am – 9:55 am	PLENARY ADDRESS: <i>It's All Fun and Games Until Someone Becomes a Mathematician</i> , Allison Henrich, <i>Professor of Mathematics, Seattle University</i> Live in Kane 130; streaming in Kane 110 and Kane 120 (Admission is limited to room capacity.)
10:15 am – 10:55 am	Session I: Field Trips leave from outside Kane Hall Lobby at 10:05 am
11:15 am – 11:55 am	Session II: Field Trips leave from outside Kane Hall Lobby at 11:05 am
Noon – 1:10 pm	Student Lunch: We recommend students bring lunch. The HUB on campus has a <i>very limited</i> number of eateries open for purchasing lunch.
Noon – 1:10 pm	Teachers' Lunch and Activity: <i>TBD</i>
1:20 pm – 2:00 pm	Session III: Field Trips leave from outside Kane Hall Lobby at 1:10 pm

## Cutting Edge Topics in Mathematical Science Presented by Top Faculty and Professionals

*Students do not need a ticket to attend the lectures below. Admission is limited to room capacity.*

SESSION I: 10:15 – 10:55 am	SESSION II: 11:15 – 11:55 am	SESSION III: 1:20 – 2:00 pm
<b>Geometry in Nature: Why Bubbles are Round and Honeycombs Hexagonal, and More...</b> <i>David Simmons, Graduate student in Mathematics, University of Washington</i> Location: Kane 110	<b>The Quadratic Formula and Its Big Siblings</b> <i>Bryce Goodwin, UW Undergraduate Mathematics Student</i> Location: Kane 110	<b>Counting the Presents in The Twelve Days of Christmas</b> <i>Stark Ledbetter, Graduate student in Mathematics, University of Washington</i> Location: Kane 110
<b>How to Be Extremely Good at Dots and Boxes</b> <i>Jonah Ostroff, Lecturer, Dept. of Mathematics, University of Washington</i> Location: Kane 120	<b>Power of Three</b> <i>Tom Edgar, Associate Professor of Mathematics, Pacific Lutheran University</i> Location: Kane 120	<b>Deceptively Simple Problems in Mathematics</b> <i>Farbod Shokrieh Assistant Professor of Mathematics, University of Washington</i> Location: Kane 120
<b>Making a Theremin Out of 3 AM Radios and Some Trigonometry</b> <i>Austin Roberts, Professor of Mathematics, Highline College</i> Location: Kane 130	<b>The Curvature of Space</b> <i>Jack Lee, Professor, Dept of Mathematics, University of Washington</i> Location: Kane 130	<b>Warped Spaces</b> <i>Alex Nichifor, Senior Lecturer, Dept. of Mathematics, University of Washington</i> Location: Kane 130
<b>Sum-Free Subsets</b> <i>Bobby Wilson, Assistant Professor of Mathematics, University of Washington</i> Guggenheim 220	<b>Finding Patterns in Differences: The Mathematics Behind the Game SET</b> <i>Bianca Viray, Associate Professor, Dept. of Mathematics, University of Washington</i> Guggenheim 220	<b>Crazy Games and Crazier Numbers</b> <i>Monty McGovern, Professor, Dept of Mathematics, University of Washington</i> Guggenheim 220
<b>Panel Discussion: Undergraduate Life</b> <i>Undergraduates will discuss courses, activities, and will answer questions</i> Location: Savery 260		<b>Information Session: UW Admissions</b> <i>Hear from a UW Admissions representative about the ins and outs of the UW Admission process</i> Location: Savery 260

## FIELD TRIPS & ACTIVITIES – TICKETS REQUIRED

Students must have a ticket to attend. All groups leave with a volunteer guide from outside Kane Hall lobby at the times below—  
**Session I at 10:05 am \*\*\* Session II at 11:05 am \*\*\* Session III at 1:10 pm.**

Latecomers should not expect to participate, even with a ticket.

*Questions about ticketed activities?* Look for the Math Day staff member or volunteer at the standby line or at the Registration Desk.

SESSION I: 10:15 - 10:55 AM	SESSION II: 11:15 - 11:55 AM	SESSION III: 1:20 - 2:00 PM
<b>Applied Physics Lab</b> Location: Henderson Hall	<b>Applied Physics Lab</b> Location: Henderson Hall	<b>Applied Physics Lab</b> Location: Henderson Hall
<b>Campus Tour</b> Location: In front of Kane Hall	<b>Campus Tour</b> Location: In front of Kane Hall	<b>Campus Tour</b> Location: In front of Kane Hall
	<b>Knights &amp; Liars</b> Location: Savery 156	<b>Knights &amp; Liars</b> Location: Savery 156
<b>Mathematical Card Tricks</b> Location: Savery 166	<b>Mathematical Card Tricks</b> Location: Savery 166	
<b>Planetarium</b> Location: Physics/Astro. Bldg., Rm A220	<b>Planetarium</b> Location: Physics/Astro. Bldg., Rm A220	<b>Planetarium</b> Location: Physics/Astro. Bldg., Rm A220
<b>Plasma - The Fourth State of Matter</b> Location: Aerospace Eng. Bldg. Rm 130	<b>Plasma - The Fourth State of Matter</b> Location: Aerospace Eng. Bldg. Rm 130	<b>Plasma - The Fourth State of Matter</b> Location: Aerospace Eng. Bldg. Rm 130
<b>Seismology Lab</b> Location: Atmospheric Sciences/Geophysics Building	<b>Seismology Lab</b> Location Atmospheric Sciences/Geophysics Building	<b>Seismology Lab</b> Location: Atmospheric Sciences/Geophysics Building

**HAVE SOME FREE TIME?? NOT SURE WHAT TO DO??  
 VISIT THE ALL-DAY DROP-IN PUZZLE ACTIVITY IN KANE HALL LOBBY**

*Drop in any time today!*

**Problem-Solving Strategies with Puzzles (*All Sessions*)** – Investigate some math challenges in tessellating, spatial reasoning, and interactive problem-solving. Puzzles are provided by Math 'n' Stuff (8926 Roosevelt Ave. NE, Seattle, 206-522-8891)