

# [REVISED] Mathcamp 2022 Week 4 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday
7:00–9:00	Dana	Breakfast				
9:10–10:00	Keyes 105	Assembly (Page Commons)	[HR] Problem solving: cheating in geometry 🌀→🌀🌀 (Zack)			
	Lovejoy 203		The distribution of prime numbers 🌀 (Viv)			
	Lovejoy 205		Baire necessities for Banach–Tarski 🌀🌀 (Narmada)			
	Lovejoy 215		A curious connection between $p$ -adic distances and triangulations of a square 🌀 (Charlotte)			
	Olin 01		Ancient Greek mathematics 🌀 (Yuval)			
10:10–11:00	Keyes 105	Problem solving: cheating in geometry	Commutative algebra and algebraic geometry (week 2) 🌀→🌀🌀 (Mark)			
	Lovejoy 203	The distribution of prime numbers	The abc's of polynomialand 🌀 (Eric)			
	Lovejoy 205	Baire necessities for Banach–Tarski	High-dimensional potatoes 🌀 (Travis)			
	Lovejoy 215	$p$ -adic distances and triangulations	Algebraic topology: homology 🌀 (Zoe)			
	Olin 01	Ancient Greek mathematics	The satisfiability problem 🌀 (Misha)			
11:10–12:00	Keyes 105	Representation theory of finite groups (week 2) 🌀🌀 (Mark)				
	Lovejoy 203	Mathematical billiards 🌀 (Arya)				
	Lovejoy 205	Finite fields 🌀 (Aaron)				
	Lovejoy 215	Cantor before set theory 🌀🌀 (Ben)				
	Olin 01	Knot theory 🌀 (Emily and Kayla)				
12:00–1:00	Dana	Lunch				
1:10–2:00	Keyes 105	Game theory, traffic, and the price of anarchy 🌀 (Assaf)		Conway's soldiers 🌀 (Misha)	Electric charge on matchsticks 🌀 (Misha)	
	Lovejoy 203	Metric spaces 🌀 (Steve)				
	Lovejoy 205	[HR] Algebraic solutions to Painlevé VI 🌀🌀 (Aaron Landesman)				
	Lovejoy 215	Introduction to Galois theory 🌀 (Sim)				
	Olin 01	Chaotic dynamics and elephant drawing 🌀 (Ben)				
2:00–4:00	Lovejoy Lobby	TAU			2:00–3:30	AA Meetings
4:10–5:00	Keyes 105	Pure mathematics as applied physics ( <i>Tadashi Tokieda</i> )	Graph on, graph off (Narmada)	Killing the Cookie Monster (Arya)	Future of Mathcamp (Staff)	3:45–5:15 Relays in the Quad (bring water!)
5:00–8:00	Dana	Dinner				

Key: [HR]—Homework Required