

# Mathcamp 2024 — Week 1 Schedule [REVISED]

		Tuesday	Wednesday	Thursday	Friday	Saturday			
9:10–10 am	T171	Geometric algebra 🌀🌀 (Ari Nieh)							
	T193	[HW] ⚠ Intro group theory 🌀 (Susan)							
	T387	From Hall's theorem to maximum flows 🌀 (Mark)							
	W218	Network algorithms & game theory 🌀 (Sonya)							
	W402	Are there no-where differentiable continuous functions? 🌀 (Laithy)							
10:10–11 am	T171	Theory of computation 🌀 (Athina)							
	T197	[HW] ⚠ Mathcamp crash course 🌀→🌀 (Zach)							
	T387	King chicken theorems 🌀 (Marisa)	🌀 Advanced chickenology 🌀 (Misha)						
	T193	🌀 The circle method and Waring's problem 🌀🌀 (Kevin)							
	W402	A recipe for resolving real riddles 🌀 (Glenn)							
11:10 am–noon	T171	🌀 Probabilistic method in graph theory and $k$ -SAT problems 🌀 (Kailee)							
	T193	⚠ Linear algebra (intro) (week 1 of 2) 🌀 (Mark)							
	T197	Ordinals and cardinals 🌀 (Krishan)			Surreal numbers 🌀 (Krishan)				
	W218	How fast can we Banach this Tarski? 🌀🌀 (Narmada)							
	W402	Geometric geometry 🌀 (Arya)							
Lunch						noon–2 pm	Wheelock	Lunch (until 1:30 pm) and Advisor Meetings	
1:10–2 pm	T171	Graph inequalities by magic 🌀 (Travis)		Calculus wars 🌀 (Travis)		Toppling sandpiles 🌀 (Travis)			
	T193	Special relativity 🌀 (Nic Ford)		No class		Special relativity			
	T387	🕒 Problem solving: inequalities 🌀 (Misha)							
	W218	🕒 🌀 ⚠ Intro to number theory 🌀 (Chloe)			No class		🕒 Number Theory		
	W402	🕒 🌀 MCSP: Jordan curve 🌀 (Della)	🕒 🌀 MCSP: linear programs 🌀 (Della)		🕒 🌀 MCSP: inclusion–exclusion 🌀 (Della)		🕒 🌀 MCSP: Euler char. 🌀 (Della)		
				T193	Most beautiful equation 🌀 (Po-Shen Loh)				
2–4 pm	Thompson	TAU							
4:10–5 pm	M103 (Colloquium)	My favorite prime (Zach)	The quest for atonal spheres (Travis)	Guest colloquium (Po-Shen Loh)		M103	Impostor phenomenon (Staff)		
						2–2:30 pm	Wheelock	Ask next week's teachers	
						2:40–3:30 pm	T171	Toppling sandpiles	
							T193	Special relativity	
							T387	PS: inequalities	
							W218	Number Theory	
						W402	🌀 MCSP: duality 🌀 (Della)		
						3:40–5:15 pm	Relays near the Obelisk!		

Evening Team Problem Solving Fourth of July Fireworks

Meals: Breakfast 7–9 am, Lunch 11:30 am–1:30 pm, Dinner 4:30–6:30 pm (Wheelock)

Key: M = McIntyre T = Thompson, W = Weyerhaeuser, [HW] = Homework Required,  
 🕒 = Class meets for 80 minutes 1:10–2:30 pm (through first 30 minutes of TAU), 🌀 = Has continuation as a project ⚠ = Serves as a prerequisite for several other classes