

Mathcamp 2021 Week 5 Schedule

Time	Room	Monday	Tuesday	Wednesday	Thursday	Friday		
Before 9:10	Kitchen deck	"Breakfast"						
9:10–10:00	Rhode Island	Assembly (Assembly Hall)	Galois theory crash course 🌶️🌶️🌶️ (Mark)					
	Canyonland		Party parrot workshop 🌶️ (Zoe)		Ultra-fantastic ultra filters 🌶️🌶️ (Zoe)			
	Douglas		Finite fields: the power of Frobenius 🌶️🌶️ (Eric)		Compactness in combinatorics of coloring 🌶️🌶️ (Aaron)			
	Georgia		Fractal projections and a number theory question 🌶️ (Alan)		Axiomatic music theory 🌶️ (J-Lo)			
10:10–11:00	Subalpine	Vitali's curse 🌶️🌶️ (Gabrielle)			The quantum factorization algorithm 🌶️🌶️🌶️ (Jorge)			
	Oxbow	Supervised machine learning: the essentials 🌶️ (Jorge)			Perfection 🌶️🌶️ (Mia)			
	Arch	The word problem for groups 🌶️🌶️ (Assaf)			Conjugation in the symmetric group 🌶️🌶️ (Emily)			
	Peru	Arithmetic progressions and primes and parrots 🌶️🌶️ (Viv)			Taxicab geometry 🌶️ (Samantha)			
11:00–12:10	Kitchen deck	"Lunch"						
12:10–1:00	Georgia	A combinatorial proof of "the" quintic formula 🌶️🌶️ (J-Lo)		Mechanical computers 🌶️→🌶️ (Tim! Black)				
	Peru	Sperner's lemma and Brouwer's fixed point theorem 🌶️ (Aaron)		Arithmetic progressions and primes and parrots 🌶️🌶️ (Charlotte)				
	Arch	Ben's favorite game theory result 🌶️ (Ben)		Draw every curve at once 🌶️🌶️ (Ben)				
	Ngo	There are less than 10^{39} Sudoku puzzles 🌶️🌶️🌶️ (Linus)	A property of a^n 🌶️ (Mia)		Martin's axiom 🌶️🌶️🌶️ (Susan)			
1:10–2:00	Subalpine	Is math real? 🌶️ (Quinn Perian)	Introduction to auction theory 🌶️ (William Ding)	Computability theory and finite injury 🌶️🌶️🌶️ (Atticus Cull)	TAU	Project Fair Setup		
	Douglas	Counting, involutions, and a theorem of Fermat 🌶️ (Mark)	How to ask questions 🌶️ (Eric)	The mathematics of voting 🌶️ (Samantha)				
	Canyonland	PS: tetrahedra 🌶️🌶️🌶️ (Misha)	PS: linear algebra 🌶️🌶️ (Misha)	PS: lecture theory 🌶️ (Misha)				
	Arch	Completeness of the real numbers 🌶️ (Alan and Charlotte)	Symmetries of a (hyper)cube 🌶️ (Emily)	Traffic and the price of anarchy 🌶️ (Assaf)				
2:00–3:00	Math {campus, town}	TAU			2:00-4:00	TPS	2:00-3:30	Project Fair
Later	Kitchen deck	"Dinner"						