

# Mathcamp 2013 Week 5 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday
9:10–10	A5	<b>Assembly (Keyes 105)</b>	Primitive Roots $\mathcal{W}$ (Mark)	Euclid $\mathcal{W}$ (Mark)	50 Defs in 50 Minutes (Various)
	◇123		Farey Lace $\mathcal{W}$ (Aaron)	Applications of Transfinite Induction $\mathcal{W}$ (Waffle)	
	◇141		Decomposing Polynomials $\mathcal{W}$ (Kevin)	BIG Numbers! $\mathcal{W}$ ( <i>Julian Gilbey</i> )	Infinite-Dimensional Sphere ( <i>Dan Z</i> )
	◇145		5 Ways of FTA $\mathcal{W}$ (Various)	My PhD Thesis $\mathcal{W}$ (Alfonso)	More Posets! Binomial $\mathcal{W}$ (Kevin)
10:10–11	A5	How to Add $\mathcal{W}$ (Matt & Zach)			
	◇123	Knot Theory $\mathcal{W}$ (Ari)			
	◇141	Galois Theory $\mathcal{W}$ (Alex)			
	◇145	[HW] Problem Solving: Inequalities $\mathcal{W}$ (Pesto)			
11:10–12	A5	The $\delta$ “Function” $\mathcal{W}$ (Mark)	Rescuing Divergent Series $\mathcal{W}$ (Mark)	What’s an Elementary Particle? $\mathcal{W}$ (Aaron)	
	◇123	Classification of Finite Abelian Groups $\mathcal{W}$ (Waffle)		The Redfield-Polya Theorem $\mathcal{W}$ (Alfonso)	
	◇141	[L 400] Express Regularly $\mathcal{W}$ (Asi)	Burnside’s Lemma $\mathcal{W}$ (Alfonso)	String Theory $\mathcal{W}$ (Sachi & Tim!)	
	◇145	“The Barn” $\mathcal{W}$ (Yuval & Zach)	Newspaper $\mathcal{W}$ ( <i>Julian Gilbey</i> )	Aztec Diamonds $\mathcal{W}$ ( <i>Julian Gilbey</i> )	
12–1		Lunch			
1:10–2	A5	Turning Paradoxes into Theorems $\mathcal{W}$ (Matt)			
	◇123	Greek Impossibilities $\mathcal{W}$ (Nic)			
	◇141	Does ESP Exist? or, What’s Wrong with Statistics? $\mathcal{W}$ (Mira)			
	◇145	Topology Your Friend $\mathcal{W}$ (Ruthi)			
2:10–3	A5	Quadratic Reciprocity $\mathcal{W}$ (Mark)	Multiplicative Functions $\mathcal{W}$ (Mark)		
	◇123	Premodern Cryptography $\mathcal{W}$ (Pesto)	Extensions $\mathcal{W}$ (Asi)		
	◇141	The Banach-Tarski Paradox $\mathcal{W}$ (Alfonso)	Subset-Sum Problem $\mathcal{W}$ ( <i>Bill Kuszmaul</i> )	C and Geometry $\mathcal{W}$ ( <i>Milica Kolundžija</i> )	
	◇145	Calculus without Calculus $\mathcal{W}$ (Tim!)	Generating Functions and Complex Analysis $\mathcal{W}$ (Kevin)		
3–4	◇	TAU & Project Preparation			
4:10–5:30	K105	Future of You	Future of Mathcamp	A New Mathematical Pathway: How Underserved Students Can Enter Mathematics ( <i>Dan Z</i> )	<b>Project Fair (◇ Classrooms)</b>
5:30–7	Dana	Dinner			

Key: **A**—Arey,  $\diamond$ —Diamond, **K**—Keyes, **L**—Lovejoy, **[HW]**—Homework Required