

Mathcamp 2007 -- Week 5 Academic Schedule

Name: _____

		Tuesday	Wednesday	Thursday	Friday			
9 – 10 am	K102	Mandatory Assembly (Arey 5)	D	Olympiad Problem Solving: Complex Numbers in Geometry **** (Bogdan)	E	The Kakeya Needle Problem * - ** (Yvonne, Julian)	A	Big Numbers! * (Julian)
	D343			Graphs on surfaces ** - *** (Marisa, M@)		Spectral Sequences **** (David)		More Combinatorial Game Theory ** (Alfonso)
	A5			Mathematics and Education * (Dan) [HW]		The Magic of Determinants ** - *** (Mark)		The Riemann Hypothesis *** (Mark)
	D341			Unsolvability of the Quintic **** (Alfonso)		Quadratic Imaginary Number Theory *** (Noah)		The Field with One Element **** (Anti)
10:10 – 11 am	D343	B	B	Tantalizing, terrific and even toroidal tilings ** (Leigh)	B	Tantalizing, terrific and even toroidal tilings ** (Leigh)	B	Tantalizing, terrific and even toroidal tilings ** (Leigh)
	A5			Set Theory and the Axiom of Choice *** (Anti)		The Banach-Tarski Paradox **** (Ari)		Set Theory and the Axiom of Choice **** (Anti)
	K102			Intro Problem Solving: Integer and Fractional parts ** (Bogdan)		Intro Problem Solving: Integer and Fractional parts ** (Bogdan)		Intro Problem Solving: Integer and Fractional parts ** (Bogdan)
	D341			What's so Special about Euclidean Geometry Anyway? * (Nina)		Quaternions **** (Nina)		Quaternions **** (Nina)
11:10 am – 12 pm	A5	C	C	Consistency and completeness *** (John Stillwell)	C	Consistency of number theory *** (John Stillwell)	C	Some "Natural" Unprovable Sentences *** (John Stillwell)
	L213			The Feeling of Power * (Anti)		Fractional graph theory *** (Ari)		Fractional graph theory *** (Ari)
	K102			Noiseless coding and the redundancy of English ** (Mira)		Noiseless coding and the redundancy of English ** (Mira)		Noiseless coding and the redundancy of English ** (Mira)
	D343			Combinatorial homotopy theory **** (M@)		Combinatorial homotopy theory **** (M@)		Combinatorial homotopy theory **** (M@)
	D341			How to win the finite group game *** (Dave)		How to win the finite group game *** (Dave)		How to win the finite group game *** (Dave)
12 – 1 pm	Dana	LUNCH						
1:10 – 2 pm	A5	D	A	Mathematics and Education * (Dan) [HW]	D	Mathematics and Education * (Dan) [HW]	D	Mathematics and Education * (Dan) [HW]
	D343			Graphs on surfaces ** - *** (Marisa, M@)		Graphs on surfaces ** - *** (Marisa, M@)		Graphs on surfaces ** - *** (Marisa, M@)
	D341			Unsolvability of the Quintic **** (Alfonso)		Unsolvability of the Quintic **** (Alfonso)		TBA (Alfonso)
	K102			Olympiad Problem Solving: Complex Numbers in Geometry **** (Bogdan)		Olympiad Problem Solving: Complex Numbers in Geometry **** (Bogdan)		Olympiad Problem Solving: Complex Numbers in Geometry **** (Bogdan)
2:10 – 3 pm	K102	E	E	Odd Numbers in Pascal's Triangle * (Alfonso) [by Discovery]	A	Fun with Fibonacci * (Julian)	E	Fermat * (Mark)
	A5			The Magic of Determinants ** - *** (Mark)		The Riemann Hypothesis *** (Mark)		Seventy-three proofs of the Pythagorean Theorem * (Nina)
	D341			Quadratic Imaginary Number Theory *** (Noah)		Quadratic Imaginary Number Theory *** (Noah)		Quadratic Imaginary Number Theory *** (Noah)
	D343			Spectral Sequences **** (David)		Spectral Sequences **** (David)		Spectral Sequences **** (David)
3 – 3:50 pm TAU	TBA	CHECK THE TAU BOARD (Location TBA)						
4 - 5 pm Colloquia	A5	<i>Counting Past Infinity</i> (John Stillwell)	Elliptic curves and Problem #10 on the Qualifying Quiz (David)	Covering Spaces, Monodromy, and Square Dancing (Alfonso)	PROJECT FAIR! (Location TBA)			

D = Diamond, L = Lovejoy, K = Keyes, A = Arey