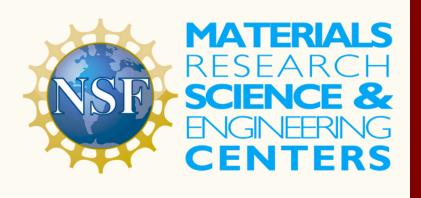


S.M.A.B.T.



(Science, Mathematics And Research Training)

http://ultracold.uchicago.edu/SMART2024

"K12 High School Science Education Outreach"

July 12-16, 2024

The four-day program will take place from 7/12 to 7/16, with a break day on 7/14. Field trips will depart from the University of Chicago campus and transportation will be provided. **Students will need to provide their own transportation to the University of Chicago.**

For questions please contact:

Mrs. Maria Jimenez < mdjimene@uchicago.edu, (773) 702-9971 or Dr. Cheng Chin < cchin@uchicago.edu, (773) 702-7192

Friday, July 12 | Argonne Tour and Crater Experiment

7:45 AM	Arrival and Breakfast at 5720 S Ellis Ave, Kersten Physics Teaching Center (KPTC), Room 206		
8:15 AM	Bus to Argonne National Laboratory	5720 S. Ellis Ave	
9:00 AM- 12:00 PM	Argonne National Lab Tour	Argonne National Lab	
1:00 PM	Back to campus and lunch	KPTC 206	
1:30 PM- 4:00 PM	Crater formation Experiment	KPTC 213	
4:00 PM	Departure from 5720 S. Ellis Ave		



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Saturday, July 13 | Astro day - Observatory Tour

12:00 PM	Meet at 929 E. 57th Street, Gordon Center for Integrative Science (GCIS)		
12:45 AM	Arrive at Adler Planetarium	1300 S DuSable Lake Shore Drive	
4:30 PM	Dinner outside Adler Planetarium		
5:30 PM	Leave for Architecture Boat Tour Chicago River (6:30 pm tour		
6:00 PM	Arrive at Wendella boats dock	400 N. Michigan Avenue	
8:00 PM	Leave for Northwestern Observatory		
8:30 PM	Star Gazing at Dearborn Observatory	2131 Tech Drive	
10:00 PM	Head back to Hyde Park		
10:45 PM	Arrive at UChicago campus	929 E. 57th Street	

Sunday, July 14 | Day Off, Enjoy Your Free Time!



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Monday, July 15 | Material Science & Levitation Experiments

9:45 AM	Arrival and Breakfast at 5720 S Ellis Ave, Kersten Physics Teaching Center (KPTC), Room 206		
10:00 AM- 12:00 PM	3D Printing and Prototyping	KPTC 206	
12:00 PM	Lunch with REU Students	KPTC 206	
12:30 PM	MRSEC Lab tour	GCIS ESB09	
1:00 PM	Thermal Levitation Demo	GCIS ESB11A	
1:30 PM	Acoustic levitation Demo	GCIS E09	
2:00 PM	Liquid Nitrogen Experiment	KPTC 206	
3:00 PM	Engineering and Computational Surgery	KPTC 206	
4:00 PM	Departure from 5720 S. Ellis Ave		



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Tuesday, July 16 | Solar Car/Quantum Entanglement/BBQ

9:45 AM	Arrival and Breakfast at 5720 S Ellis Ave, Kersten Physics Teaching Center (KPTC), Room 206		
10:00 AM- 12:00 PM	Solar Car Building and Competitio	n KPTC 206	
12:00 PM	Lunch with REU Students	KPTC 206	
12:45 PM	Introduction to quantum science	e KPTC 206	
1:00 PM- 3:30 PM	Quantum entanglement and key distribution	KPTC 006	
4:00 PM- 5:00 PM	BBQ Party (Parents are welcome!)	KPTC 206 and balcony	