

(Science, Mathematics And Research Training)

<https://ultracold.uchicago.edu/SMART2025>

*“K12 High School Science Education Outreach”*

**July 10-15, 2025**

The four-day program will take place from 7/10 to 7/15, with a break day on 7/13. 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:

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or Dr. Cheng Chin <[cchin@uchicago.edu](mailto:cchin@uchicago.edu)>, (773) 702-7192

## **Thursday, July 10 | Experiment and Lab Tours**

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Arrival and Breakfast at 5720 S Ellis Ave,  
Kersten Physics Teaching Center (KPTC), Room 206

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Morning                      Introduction to Quantum Science  
   Quantum entanglement and key distribution

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Afternoon                    Engineering and Computational Surgery

## **Friday, July 11 | Argonne Tour and Crater Experiment**

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Morning                      **Argonne National Lab Tour**

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Afternoon                    Crater Formation Experiment

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## Saturday, July 12 | Astro day - Observatory Tour

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Afternoon

Visit Adler Planetarium

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Evening

Star Gazing at Dearborn Observatory

## Sunday, July 13 | Day Off, Enjoy Your Free Time!

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## Monday, July 14 | Material Science & Levitation Experiments

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Morning

3D Printing and Prototyping

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Afternoon

Thermal and Acoustic Levitation Demo  
Liquid Nitrogen Experiment

## Tuesday, July 15 | Solar Car and BBQ

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Morning

Solar Car Building and Competition

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Afternoon

BBQ Party (Parents are welcome!)