

Science, Mathematics And Research Training+
K12 High School Science Education Outreach”
<http://ultracold.uchicago.edu/SMART2013>

Number of students: 16

Date: 7/10~7/15/2014

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Agenda:

Thursday, 7/10/2014	Lecture + Experiment:	Location
9:45 am:	Arrival and breakfast	5720 S. Ellis Ave.
10:00 ~ 10:50 am:	<i>Topic 1: Light and matter</i> (Dylan Banahene-Sabulsky and Paloma Ocola)	KPTC 213
11:00 ~ 11:50 am:	<i>Topic 2: Interpreting the sky</i> (Dylan Banahene-Sabulsky and Paloma Ocola)	KPTC 213
11:50 ~ 12:20 pm:	Lunch	KPTC 213
12:20 ~ 1:00 pm:	Chin group lab tour (Harry Ha and Gustaf Downs)	ESB 11
1:00 ~ 4:00 pm:	<i>Solar spectroscopy</i> (Mark Chantell) (Assistants: Lei Feng and Gustaf Downs)	KPTC 208
4:00 pm:	Departure	5720 S. Ellis Ave.
Friday, 7/11	3D Printing and Robotics:	Location
	(Justin Jureller and Meghan Vincent) (Assistants: Paloma Ocola and Yu Ting Chen)	
9:45 am:	Arrival/breakfast	KPTC 213
10:00 am:	Granular Materials	KPTC 213
11:30 am	Walking tour of campus	
12:15 pm	lunch (Assistants: Paloma Ocola, Bernard Xie, Rajan Aggarwall and Nicholas Kowalski)	KPTC 213
1:00 pm	One group for 3D printing	KPTC 213
	One group for Robotics	KPTC 213
2:15 pm	Group switch	
3:30 pm	Reconvene in KPTC 213 and discussion	KPTC 213
4:00 pm:	Departure	5720 S. Ellis Ave.
Saturday, 7/12	Observatory Tour (Athena Frost)	Location
	(Assistants: Lei Feng, Bernard Xie, Paloma Ocola, Yu Ting Chen)	
1 pm	Meet at U of C	5720 S. Ellis Ave.

1:45 pm	Arrive at Adler planetarium	Adler
5 pm	Dinner in front of Adler	
6 pm	Leave Adler	
8 pm	Yerkes Observatory	Williams Bay
8:30 pm	Star gazing	
12:00 am	Hyde Park (inform parents the schedule)	5720 S. Ellis Ave.

Monday, 7/14

Lab demo. + Fermi Lab Tour

Location

9:45 am:	Arrival and breakfast	5720 S. Ellis Ave.
10:00 ~ 10:50 am:	Experiment and demonstration (I) (Karina Jiménez García, Skyler Degenkolb, Nicholas Kowalski)	
11:00 ~ 11:50 am:	Experiment and demonstration (II) (Karina Jiménez García, Skyler Degenkolb, Nicholas Kowalski)	
11:50 ~ 12:30 pm:	Lunch with REU students	KPTC 213
12:45 pm:	Bus to Fermi Lab (Harry Ha, Gustaf Downs)	5720 S. Ellis Ave.
1:45 ~ 4:45 pm:	Fermi lab tour (Contact person: Maureen Hix 630 840 5588, 630 840 8258)	Fermi lab
4:45 pm:	Departure	
5:45 pm:	Arriving Hyde Park	5720 S. Ellis Ave.

Tuesday, 7/15

Experiment + Lab tours + BBQ

Location

9:45 pm:	Arrival and breakfast	KPTC 213
10:00 am:	Holography Experiment (Jonathan Simon) (Skyler Degenkolb, Jacob Johansen, Bernard Xie)	KPTC 213
12:00 pm:	Lunch with REU students	KPTC 213
1 pm:	Lab tour 1: Greg Engel	
2 pm:	Lab tour 2: Heinrich Jager	
3 ~ 5 pm:	BBQ party (Dylan Banahene-Sabulsky and Karina Jimenez-Garcia, everybody and parents are welcome.)	KPTC 206 and balcony