

Seeking Undergraduate Field Study Mentors

UA Science: Sky School's Research Apprenticeship Program for the 2017-18 school year

Connecting UA undergraduate students with graduate student mentors and middle and high school mentees

UA Science: Sky School (<https://skyschool.arizona.edu/>) is seeking individuals excited to engage with youth in science. We are recruiting undergraduate Field Study Mentors to work with students in grades 8-12 to develop and execute field-based research projects for the regional science fair, run by the Southern AZ Research, Science, and Engineering Foundation (SARSEF). This is a unique opportunity to gain experience with science education and communication. Training will be provided for effective mentoring of students, along with support throughout the mentoring process and feedback to mentors on improving facilitation, teaching, and scientific process skills.



Mentors will benefit by:

- Improving their ability to conduct a field research project, communicate scientific information and model science-related career skills
- Enhancing their ability to inspire, engage, and educate youth in STEM
- Building their organizational skills while helping mentees conduct their projects
- Gaining experience engaging with local environments and land managers
- Developing a better 'sense of place' of the Tucson region, with attention to the natural and cultural history of the region
- Earning an 'Engaged Learning Experience' notation on their transcript and/or earn academic credit as directed research

UA Mentor Commitments, 2017-18 school year:

<p>Fall, 2017</p> <p>(Transportation provided from the UA campus for all field days to Sabino Canyon)</p>	<ul style="list-style-type: none"> • Sunday, Sept. 24th, 8am-4pm- Training in Sabino Canyon for all mentors • Week of Sept. 25th- day/time TBD for evening intro. to mentoring and SARSEF • Saturday, October 7th, 8am-4pm- First field day in Sabino Canyon for students & mentors • Sunday, Oct. 8th, 9am-1pm- Work day at UA Main Library • Saturday, Oct. 14th, 8:30am-3pm- Field day to test methods • Saturday, Oct. 21st- Depending on need, field day 8:30 am-3pm or work day 9am-1pm • Field days for data collection, 8:30am-3pm: 10/28, 11/4, 11/18, 12/2
<p>Spring, 2018</p>	<ul style="list-style-type: none"> • Saturday, Jan. 13, 9am-1pm—data analysis, poster, and presentation workshop for mentors at UA Main Library • Work days, UA Main Library, 9am-1pm: 1/20, 1/27, 2/3, 2/10, 2/17, 2/24 (optional), 3/17 • Poster display & presentation practice- Saturday, March 31st, time & location TBD
<p>SARSEF activities</p> <p>(optional for mentors)</p>	<ul style="list-style-type: none"> • Wednesday, April 11—project set up at TCC between noon and 8pm • Thursday, April 12—judging: Middle School 10am-11:30am & High School 12-3pm • Friday, April 13—public viewing, 9am-8pm • Saturday, April 14—awards ceremony, times TBA
<p>April 21-22, 2018</p>	<ul style="list-style-type: none"> • Visit to our Mt. Lemmon campus for an overnight trip of hiking, meadow campfire, silly awards, telescope viewing, etc. for all involved in the project

Application Process: Email applications to Rebecca Lipson (rlipson@email.arizona.edu) by Monday, Sept. 11. Interviews will be conducted Sept. 14-15, with notifications by September 18th.

Please include:

- Statement of interest, explaining your prior experience and qualifications, as well as your desired personal outcomes for the experience (one page limit)
- CV or résumé, including any relevant experience with mentoring, education and outreach, outdoor activities, or research
- Letter of support from an advisor, professor, or other person familiar with your work (can be sent under separate cover)

