

NASA Spaceward Bound : Mojave 2016

Unique Opportunity for Aspiring Science Teachers with NASA Interests

- Apply to an expeditionary science learning program managed by the CSU & NASA!!
- The Spaceward Bound expedition will be held in the Mojave National Preserve from March 19-23, 2016, and will be based out of the CSU Desert Studies Center in Zzyzx, CA.
- Spaceward Bound **will cover** expenses, such as accommodation for each student.
- The goal of this program is to provide future science teachers real time experiences in field research and the exploration of extreme environments on Earth, which serve as analogs for the Moon, Mars, and Europa.

Program Details

- Spaceward Bound: Mojave 2016 is a 4 day expedition including 10-20 students from the CSU.
- The expedition's focus is 'Microbial Life in the Mojave and its relation to Astrobiology'.
- The expedition includes scientists from the NASA Ames Research Center and Jet Propulsion Laboratory.
- Subjects include microbiology, cave exploration, desert ecology, life detection, soil chemistry, biological fuel cells, mathematics, and computer science.
- All Cal Poly Pomona students must enroll in CHM 400 in Spring quarter for '1 unit'.
- All Cal Poly Pomona participants are *required* to present an expedition-inspired lesson plan in a local school, as part of the course CHM 400: Bringing Field Research into the Classroom.
- More information on Spaceward Bound and the lesson plans can be found at:

<http://www.cpp.edu/~rmogul/spacewardbound>

<http://quest.nasa.gov/projects/spacewardbound/index.html>

Eligibility

- *must be a science, math, or engineering major and interested in teaching K12, or*
- *enrolled in a science credential program (intern or regular program), or*
- *a MSTI fellow, or current teacher enrolled in a Master's program*

Application & Contact

- Applications are due by **February 10th, 2016**.
- Applications are at: www.cpp.edu/~rmogul/spacewardbound
- For questions, contact Dr. Rakesh Mogul: rmogul@cpp.edu