

MT. SAN ANTONIO COMMUNITY COLLEGE

SUMMER SCIENCE EXPLORATION EXPERIENCE

S²E²

Thank you for your support and encouragement of the **2018, NSF/Mt. SAC Summer Science Exploration Experience Program**. The 2-week program was a very significant, successful and rewarding learning experience for our area middle school students and a large cadre of Mt. SAC Science and Mathematics education majors. The following highlights the **S²E²** July event.

Larry L. Redinger, S²E² Director 

PROGRAM GENESIS, SUPPORT ORGANIZATIONS and SPONSORS

The S²E² National Science Education Grant was written and submitted by Dr. Iraj Nejad, Dr. Charlie Newman and Adrienne Price (Director of MT. SAC Research & Grants Office). The National Science Foundation (NSF) provided major funding and support. Additional support and funding was given by Mt. San Antonio Community College; Mt. San Antonio College Foundation; Boeing Corporation; and individual donors

S²E² PARTICIPATING STUDENTS

A total of 51 middle school students completed the science experience!
45 of the 51 were from within Mt. San Antonio College District census area.
14 - 6th grade students; 19 - 7th grade students;
12 - 8th grade students; 6 - 9th grade

TEACHING COHORT (Mt. SAC Teacher Preparation Program)

16 Mathematics and Science majors; 1 Science major from Cal Poly Pomona

PROFESSORS & PROFESSIONAL PRESENTORS

13 Science Discipline Specialists representing most science areas, technology, engineering and mathematics. Dr. James Rudd from California State University, Los Angeles was the external NSF evaluator

S²E² ADVISORY COMMITTEE REPRESENTATIVES

Mt. San Antonio College (6); University of California, Irvine (2); Industry (3)
Walnut Valley Unified School Districts (3)

S²E² DURATION & HOURS

July 9 to 19, 2018 (M,T,W & Th). 60+ hours of 'hands-on' Science & Mathematics activities
July 20, the Parent "do-over" Night, (Planetarium and Telescope experience for parents)

TOPICS & GENERAL ACTIVITIES

Aerodynamics, Material Science, Anatomy, Hydrodynamics, Zoology, Bio-diesel Fuels, Veterinary Science, Animal Science, Planetarium, Astronomy--Telescope Observatory, Zoology, Biochemistry, Thermodynamics, Wildlife Conservation, Fuel Cell Chemistry, Robotics and various Mathematics problem solving exercises

FACILITIES

Science Exploration Center, College Farm, Wildlife Sanctuary, Organic Chemistry, Veterinary Hospital, Physics & Engineering, B.J. Meek Natural History Center, College Observatory, J&E Randall Planetarium, Mt. SAC Science Laboratory Complex, Food Service

FIELD TRIPS

Cabrillo Aquarium & Museum, Marine Mammal Rescue Center, I-Fly In-door Skydiving