



University of Nevada, Las Vegas

Science, Technology, Engineering and Mathematics

GEAR UP Abstract 2017-2018

Subgrantee: University of Nevada, Las Vegas

Name of Contact: Carl Reiber

Address: 4505 S. Maryland Parkway, Las Vegas NV 89154

Telephone Number: 702-895-2342

Email Address: carl.reiber@unlv.edu

The Nevada Department of Education, funding appropriated for the State of Nevada GEAR UP (GU) Grant, will support programming for the designated GU schools during the 2017-2018 academic year. The University of Nevada, Las Vegas (UNLV), Science, Technology, Engineering and Mathematics (STEM) Activities for Students and Parents workshops will support the Nevada Vision for K-12 education and is founded on the following: (1) change the culture of schools located in economically disadvantaged communities to ensure that all students are prepared academically and have resources to attend and succeed in college and (2) increase Nevada System of Higher Education institution involvement in GU schools to facilitate a seamless transition from secondary to postsecondary attendance and success” (2011 Nevada GEAR UP Grant).

The UNLV GEAR UP grant will serve GEAR UP high school students and their parents directly using a proactive approach to transitioning students from high school to postsecondary education. The STEM workshops delivered in the fall will introduce students and parents to the “first principles” of science and mathematics and strengthen interest in the STEM areas. Demonstration kits will be used at winter workshops and college fairs to expand the students’ and families’ knowledge of STEM majors. Facilitators will discuss the pathway to choosing a STEM field, provide information on how best to prepare and required skills to be successful. Spring workshops will allow students to see the application of STEM education by exposing them to research during hands-on laboratory experience with faculty and graduate students.