NEVADA ENGINEERING FELLOWS 2018-2019

The Engineering Fellows Program is a unique opportunity for 5th grade teachers to partner with local professional engineers and UNLV engineering students to develop and integrate engineering design challenges with real-world application into everyday teaching and existing curricula.

As a Fellow, you will:

- Collaborate with professional engineers and university engineering students
- Align instruction with NGSS standards and local industry needs to strengthen workforce pathways
- Increase your students' and your own confidence and awareness of engineering
- Design and keep a kit to accompany a lesson you create
- Receive a bank of vetted engineering lessons designed by Fellows and accompanying kits valued at $1,000

When: September 2018—March 2019 (See application for details)

Where: Design teams will meet in Las Vegas three times, exact location TBD.

Seeking: 5th grade teachers with an interest in expanding access to STEM.

Apply: Please submit the attached application to TGaffney@gov.nv.gov by 5pm Friday, August 24th, 2018.

The Nevada Engineering Fellows Program is sponsored by the Governor's Office of Science, Innovation, and Technology (OSIT), the University of Nevada, Las Vegas (UNLV), Southern Nevada Regional Professional Development Program (SNRPDP), and Nevada's Northwest Regional Professional Development Program (NWRPDP).

Nevada Governor's Office of Science, Innovation and Technology

UNLV Howard R. Hughes College of Engineering

Southern Nevada RPDP

Nevada's Northwest RPDP Regional Professional Development Program

Nevada Engineering Fellows Program
2018 - 2019 Teacher Application

<u>Instructions</u>: Fill out the information below and answer questions 1-4. Submit completed application, along with an official letter from your administrator in support of your fellowship participation to <u>TGaffney@gov.nv.gov</u> by 5:00pm Friday, August 24, 2018.

First and last name:

School Name:

School District:

Grade Level:

Number of Students:

1) Describe your school's demographics.

SCHEDULE

Saturday Workshop | September 15 | 8:30am—3:30pm

In-Classroom Visit | Variable | 60 minutes

Saturday Workshop | January 12 | 8:30am—3:30pm

In-Classroom Visit | Variable | 60 minutes

Saturday Workshop | March 16 | 8:30am—3:30pm

Virtual Follow Up and Conclusion | Early April

2) How do you envision ideal engineering instruction in your classroom? Does that differ from your reality? If so, how and why?

3) How will students be impacted from your participation in the fellowship?

4) How will you encourage other educators at your site to engage in engineering?