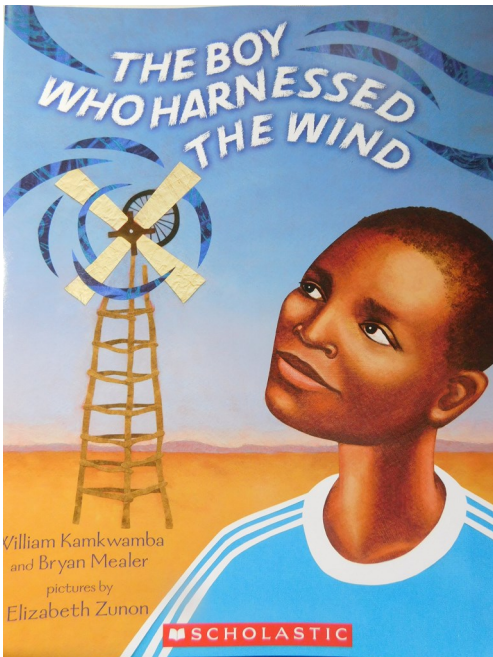


ANNOUNCING THE  
2019-2020

# 4TH GRADE Nevada Engineering Fellows Program



You'll receive grade-level specific **training** and **materials** (\$1,000 value) to integrate engineering with science, mathematics and literacy!

**#MakeWhat'sNext**  
**Apply Now!**

The Nevada Engineering Fellows Program was developed by the Governor's Office of Science, Innovation and Technology (OSIT) in collaboration with Northwest Regional Professional Development Program (NWRPDP), and Southern Nevada Regional Professional Development Program (SNRPDP).



Nevada Governor's  
Office of Science,  
Innovation and  
Technology



# Office of Science, Innovation and Technology

## 2019-2020 Nevada Engineering Fellows

The Engineering Fellows Program is a unique opportunity for 4<sup>th</sup> grade teachers to develop engineering lessons with real-world application. Fellows will also meet with local professional engineers and engineering students to enrich classroom experiences and increase community connections.

### As a Fellow, you will:

- Investigate grade-level NGSS, phenomenon, and best practices for teaching engineering.
- Learn how to teach an engineering lesson provided by the program.
- Collaborate with professional engineers and university engineering students to bring real-world scenarios to the classroom.
- Learn how to design, teach, and refine your own engineering lessons.
- Design and keep a kit (materials provided) to accompany a lesson you create.
- Receive a bank of vetted engineering lessons designed by other Fellows and select kits for your own use (total materials valued at \$1,000).
- Receive 2 in-service credits for licensure renewal.

### Program outcomes:

- Increase your own confidence in teaching engineering and integrating engineering into your classroom instruction.
- Increase your students' engagement in their learning and their awareness of engineering skills and careers.
- Align your instruction with NGSS standards and local industry needs to strengthen workforce pathways.

### Program Requirements:

- The program includes five full-day Saturday workshops. Attendance is required.
- You will be asked to complete some work outside of the workshops.
- You will be asked to teach the model unit you're provided *and* the unit you create. This may interfere with your pacing plans, especially for the Fall 2019 semester.
- You will be asked to step outside of your comfort zone!

We asked the '18-'19 Fellows if they'd do it again...

**"The collaboration was phenomenal... This experience was definitely worth my time."**

**"Thank you for letting me be part of this wonderful program!"**

**"This has been a great experience and I was glad it was geared towards a specific grade level."**

**"This Fellowship was a lot of work and time, but it was very much worth it. I feel I was able to ... get my students excited about it and want to continue to research and extend the lessons we've done."**

**[Click Here to Apply Now](#) Applications due Sept 16, 2019**

# OFFICE OF SCIENCE, INNOVATION AND TECHNOLOGY 2019-2020 NEVADA ENGINEERING FELLOWS

## Schedule

(\*Dates Subject to Change.)

**Workshop 1** | 8:30am—3:30pm

Northern Nevada: Saturday, November 2

Southern Nevada: Saturday, October 5

### Program Overview

**Elements of Quality Engineering Instruction**

**Introduce Model Lesson**

**Workshop 2** | 8:30am—3:30pm

Northern Nevada: Saturday, November 23

Southern Nevada: Saturday, October 19

**Reflect and Troubleshoot Model Lesson**

**NGSS Alignment**

**Model Lesson, part two**

**Workshop 3** | 8:30am—3:30pm

Northern Nevada: Saturday, February 1

Southern Nevada: Saturday, January 25

**Professional Engineers and University Engineering Students Join**

**Review Big Ideas for 4th grade Science & Engineering**

**Select Standards and Develop a Lesson Framework**

**In-Classroom or Virtual Visit** | Variable | 60 minutes

Support Fellows' Lesson Development and/or Instruction

**Workshop 4** | 8:30am—3:30pm

Northern Nevada: Saturday, February 22

Southern Nevada: Saturday, February 29

**Peer Review Lessons**

**Lesson Extensions (ELA, Mathematics)**

**Virtual Workshop 5** | 8:30am—12:30pm

Northern Nevada: Saturday, March 7

Southern Nevada: Saturday, March 21

**Final Projects & Surveys**

[Click Here to Apply Now](#)  
**Applications due Sept 16th**