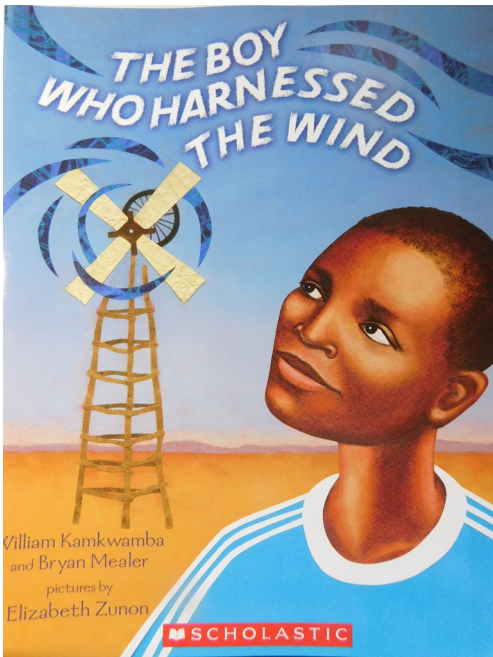


ANNOUNCING THE
2019-2020

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 4th 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 July 1st, 2019

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

Schedule

Workshop 1 | 8:30am—3:30pm

Northern Nevada: *Friday*, August 2

Southern Nevada: *Monday*, August 5

Program Overview

Elements of Quality Engineering Instruction

Introduce Model Lesson (Fellows start teaching in their classrooms right away)

Workshop 2 | 8:30am—3:30pm

Northern Nevada: *Saturday*, September 7

Southern Nevada: *Tuesday*, August 6

Reflect and Troubleshoot Model Lesson

NGSS Alignment

Model Lesson, part two (Fellows finish teaching in their classrooms)

Workshop 3 | 8:30am—3:30pm

Northern Nevada: *Saturday*, September 28

Southern Nevada: *Saturday*, October 5

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*, November 2

Southern Nevada: *Saturday*, November 9

Peer Review Lessons

Lesson Extensions (ELA, Mathematics)

Virtual Workshop 5 | *Saturday*, February 1 | 8:30am—12:30pm

Final Projects

Surveys

[Click Here to Apply Now](#)

Applications due July 1st, 2019