



STEMworks – STEM Advisory Council’s Approved STEM Program October 2017

SCIENCE ALIVE

PROGRAM OVERVIEW

The Desert Research Institute’s Science Alive K-12 programs, which is part of a career-long and lifelong continuum for STEM research, education, and application. DRI offers interactive learning opportunities that support individuals to enter the STEM knowledge economy and workforce. Our goals:

- 1. Create pathways for lifelong learning through quality research focused learning experiences and environments.*
- 2. Foster an interest in STEM and the research and missions of DRI.*
- 3. Support Nevada’s economic development and emerging industries through experiential learning opportunities for a STEM workforce.*

We aim to increase scientific knowledge and understanding of the earth's environment, promote preservation of diverse ecosystems, advance responsible resource management, and improve human health and welfare. Science Alive achieves this mission by providing services to thousands of Nevada students and hundreds of Silver State educators through STEM lessons for classroom integrations, teacher trainings and workshops, school support, and community education and outreach.

TARGET GRADES

Grades PreK-12 for teachers (Teacher Trainings) and students (Green Boxes)

A UNIQUE OR SPECIAL FOCUS OF THE PROGRAM

Science Alive includes various program components integrated together into a continuum of support for Nevada’s educators, which includes our innovative, unique subject-based, and NGGS aligned Green Boxes, teacher trainings, school support, and community education and engagement.

THE PROGRAM’S IMPACT ON STUDENTS

Sparking curiosity through real world application.

SPECIFIC SKILLS STUDENTS WILL LEARN

21st century skills that foster critical thinking, problem-solving, collaboration, group work, communication, learning to learn, creativity, and innovation in STEM (science, technology, engineering, math).

RESOURCES PROVIDED TO EDUCATORS

Science Alive includes various program components integrated together into a continuum of support for Nevada’s educators. This continuum of support includes our innovative and unique subject-based Green Boxes, teacher trainings, school support, and community education and engagement and is NGSS aligned and completely free to any NV educators.

WEBSITE

<https://sciencealive.dri.edu/>

CONTACT INFORMATION

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