

ABSTRACT

The Clark County School District, Nevada STEMvironment Project will fully establish and implement two new Environmental Science, Technology, Engineering, and Math magnet programs at two schools: Carroll Johnston CTE Academy (1,424 students, grades 6-8) and Lyal Burkholder STEM Academy (812 students, grades 6-8). Each school will offer a rigorous, interdisciplinary, STEM-infused curriculum with a focus on the environment, using experiential and project-based learning to meet the goals and objectives of the STEMvironment project:

- Objective 1: Eliminate, reduce, or prevent minority group and socioeconomic isolation in STEMvironment schools.
- Objective 2: Increase the scores of all students and student subgroups on State and District assessments in reading/language arts, mathematics, and science in STEMvironment schools.
- Objective 3: Increase highly-effective instruction through a rigorous and sustained professional learning initiative including STEM, outdoor education, and project-based learning professional learning in STEMvironment schools.
- Objective 4: Increase parent participation and community support in STEMvironment schools through Magnet School Advisory Committees, Parent Workshops, and Community Partnerships.
- Objective 5: Increase the quality of school climate as measured by increases in parent, student, and staff survey responses and decreases in student discipline incidents in the proposed STEMvironment schools.
- Objective 6: Increase participation in STEM/CTE courses and improve perceptions of STEM/CTE for students who attend the proposed STEMvironment schools.