



# Nevada STEMList of Recommended STEM Programs May 2025



## YES Enrichment

### Program Overview

YES Enrichment, part of the Youth Engineering Solutions (YES) initiative from the Museum of Science, offers engaging, hands-on engineering curricula designed for grades K-8 in before, during, and afterschool settings. Each unit presents real-world challenges that require students to brainstorm innovative solutions and follow the Engineering Design Process to iteratively build, test, and refine their designs. As they navigate authentic engineering practices, students develop resilience, critical thinking, and collaboration skills while also strengthening their STEM and language proficiency. The flexible structure of the curriculum allows for easy implementation in any educational setting.

YES Enrichment emphasizes the societal context of engineering, prompting students to consider how scientific and technological solutions impact people, communities, and the environment. By engaging in open-ended challenges with multiple possible solutions, learners are encouraged to appreciate diverse perspectives and reflect on the social implications of their designs.

### Target Population Grades or Ages

All students in grades K-8

### A Unique or Special Focus of the Program

Engineering

### Impact on Participants

Students address problems that are relevant to their lives and communities. They tap their strengths and experiences, think creatively, engage in engineering practices, use multiple modes of communication, and collaborate with peers as they create original designs. By doing and learning engineering, students build an engineering identity.

### Specific Skills

As they navigate authentic engineering practices, students develop resilience, critical thinking, and collaboration skills while also strengthening their STEM and language proficiency.

### Resources Provided to Facilitators/Users

Our YES resources are available as free downloads. All student-facing materials are provided in English and Spanish.

### Website

<https://yes.mos.org/>

### Contact #1 Information

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### YES Middle School

#### Program Overview

YES Middle School, part of the Youth Engineering Solutions (YES) initiative from the Museum of Science, offers standards-aligned, engaging, hands-on engineering curricula designed for grades 6-8. In YES Middle School, students tackle real-world problems using the Engineering Design Process to innovate meaningful solutions. These standards-aligned units bring STEM to life by integrating grade-appropriate science concepts and relevant social contexts with engineering design challenges. Students learn to manage open-ended problems by balancing competing priorities and making evidence-based decisions, preparing them for success in an ever-changing world. Computer Science modules enrich the learning experience by introducing students to computational tools used by engineers in the real-world. Most importantly, students develop critical thinking skills to analyze algorithms, interpret outputs, and recognize the limitations of computational tools—skills that will remain valuable in a rapidly evolving technological landscape.

#### Target Population Grades or Ages

All students in grades 6-8

#### A Unique or Special Focus of the Program

Engineering and computer science

#### Impact on Participants

Students address problems that are relevant to their lives and communities. They tap their strengths and experiences, think creatively, engage in engineering practices, use multiple modes of communication, and collaborate with peers as they create original designs. By doing and learning engineering, students build an engineering identity.

#### Specific Skills

As they navigate authentic engineering practices, students develop resilience, critical thinking, and collaboration skills while also strengthening their STEM and language proficiency.

#### Resources Provided to Facilitators/Users

Our YES resources are available as free downloads. All student-facing materials are provided in English and Spanish.

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