



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

### FIRST

#### **PROGRAM OVERVIEW**

*FIRST is inspiring youth to become science and technology leaders and innovators, by engaging them in exciting, experiential, mentor and project-based programs that teach science, technology, engineering, and math (STEM) skills, inspire innovation, and foster well-rounded life capabilities.*

#### **TARGET GRADES**

*Kindergarten to Grade 12*

#### **A UNIQUE OR SPECIAL FOCUS OF THE PROGRAM**

*Using robotics competitions to inspire interest and engagement in STEM.*

#### **THE PROGRAM’S IMPACT ON STUDENTS**

*Increased STEM awareness, intent and stronger 21<sup>st</sup> century skills.*

#### **SPECIFIC SKILLS STUDENTS WILL LEARN**

*Designing, building, computer programming, computer animation, CAD, mechanical engineering, electrical engineering, robotics, web design, conducting research, developing strategy, communication, leadership, fundraising, teamwork, problem solving, conflict resolution, persistence, time management, presentation skills, and self-confidence.*

#### **RESOURCES PROVIDED TO EDUCATORS**

*Free training, online resources and communities of practice available for educators. In addition, in person support is provided by NV based FIRST Regional Director, Program Partners, Senior Mentors and VISTA volunteers. Paid professional development is also available.*

#### **WEBSITE**

*[www.firstinspires.org/squadgoals](http://www.firstinspires.org/squadgoals) and [www.firstnevada.org](http://www.firstnevada.org)*

#### **CONTACT INFORMATION**

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