

# 2013-2014 OKLAHOMA ROBOTICS GRANT APPLICATION

OKLAHOMA STATE DEPARTMENT OF EDUCATION

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Please check the appropriate *FIRST* programs you are applying for:

FLL Team    FTC Team    FRC Team

Number of anticipated student participants \_\_\_\_\_

Has this program participated in *FIRST* programs in the past three (3) years?    YES    NO

If YES, please identify the program and list number of years of participation.

*FIRST* Lego League                      (FLL) Number of Years \_\_\_\_\_

*FIRST* Tech Challenge                      (FTC) Number of Years \_\_\_\_\_

*FIRST* Robotics Competition              (FRC) Number of Years \_\_\_\_\_

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## 1 Program Goals and Objectives

- Describe how participation in *FIRST* programs will contribute to helping students meet Oklahoma Academic Standards and the current PASS Standards for Science.
  - a. <http://ok.gov/sde/oklahoma-C3-standards>

## 2 Student Benefits

- *FIRST* programs are a tool to get excited about STEM education concepts.
  - Describe the expected benefits to student participants?
  - How will the expected benefits be measured and documented?

### **3 Program Timeline**

- Program timeline should include project milestones from implementation to competition participation. Timelines must include the activities that are described in the timeline of *FIRST Events* section of the overview located on the website.

### **4 Volunteer Mentors**

- Engaging mentors from industry to support your FIRST team is a key component of the impact your students will experience from the program.
  - Describe your plan for inviting and engaging industry/business partners that will be participating in the project (i.e. design, fabrication, mechanical, and electrical concepts, computer programming, control systems, marketing, fundraising, etc.)
  - List names and affiliations for existing and future partners.
  - Will you use parents on your team? If so, describe how parents will be used?

### **5 Facilities**

- Identify and describe the facilities for use in designing and building the robot and indicate if the space is on the school grounds or in the community. (i.e. school machine shop, classroom, local industry shop, etc.)

**6 Evaluation**

- Describe the method of evaluation you will use to determine the success of the project. Please include all evaluating tools used.

**7 Student Teams**

- Describe how teams of students will be selected for this project. Please be very detailed in your response.

**8 Additional Financial Support**

- Describe if monies apart from this grant will be utilized for this project. Be specific with your response.

## 2013-2014 *FIRST* Robotics Team Budget Summary

- Participation in any of the competitions requires a wide variety of financial resources. Please consider the following when completing the budget narrative:

### FLL (*FIRST* Lego League)

- Registration Fee: \$225
- Kit of Parts as needed: \$435
- Event Registration Fees per Event : \$55-\$75
- Additional Robot Materials \$200 + or –
- Tools and Supplies (field kit-\$75, table \$65, etc.): \$200 + or –
- Competition Travel Expenses: Varies

### FTC (*FIRST* Tech Challenge)

- Registration Fee: \$275
- Kit of Parts as needed: \$665-\$900
- Event Registration fees per event: \$100-\$200
- Additional Robot Materials: \$275
- Competition Travel Expenses: Varies

### FRC (*FIRST* Robotics Competition)

- Registration Fee: \$5000-\$6000
- Additional Robot Materials \$2000 + or -
- Tools and Supplies: \$1500 + or -
- Competition Travel Expenses: Varies

## ROBOTICS GRANT PROGRAM BUDGET SUMMARY 2013-2014

County Name

County Code

District Code

**363**

**11**

District Name

OCAS Project Code

OCAS Fund Code

Description-List Planned Expenditure of Grant Funds	Approximate Cost
<b>TOTAL</b> (not to exceed grant amount)	