



**FIRST LEGO League**



**Ages 9-14**

# 4-H Project Record Book/Report

FLL introduces younger students to real-world engineering challenges by building LEGO-based robots to complete tasks on a thematic playing surface. FLL teams, guided by their imaginations and adult coaches, discover exciting career possibilities and, through the process, learn to make positive contributions to society.

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

Age: \_\_\_\_\_ Years in 4-H \_\_\_\_\_ # of years in this program \_\_\_\_\_

Mailing Address: \_\_\_\_\_

County: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Grade in School: \_\_\_\_\_ Name of School: \_\_\_\_\_

Your 4-H County: \_\_\_\_\_ Your 4-H Agent: \_\_\_\_\_

Club/Group: \_\_\_\_\_

Club Lead/Coach: \_\_\_\_\_

Parents/Guardian Name: \_\_\_\_\_

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I personally prepared this record/report and it is a true record of my 4-H FLL Project.

4-H Member Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Approval of this report:**

Parents/Guardian: \_\_\_\_\_ Date: \_\_\_\_\_

4-H Leader/Coach: \_\_\_\_\_ Date: \_\_\_\_\_

**Instructions:**

- Complete a project record/report for your FLL Project and submit the report with all of the attachments listed. Sections 1 -3 can be filled out within the first few weeks, the rest during the FLL Season.

## SECTION 1: Objectives and Goals

What are your goal(s) for this FLL season and what do you expect to learn?:

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## SECTION 2: Project Bookkeeping Report for TEAM

Items	Expense	Income
Example (FLL Field Set Up Kit)	\$75.00	
Example (Publix Fundraiser)		\$300.00
<b>TOTALS</b>		

Profit or Loss:

This Season our Team Income Totals	\$
This Season our Team Expenses Totals	\$
Which gave our team a Net Profit or Loss of	

## SECTION 2: FLL Core Values/Teamwork

FLL Core Values:

- i. We do the work to find the solutions with guidance from our coaches and mentors.
- ii. We know our coaches and mentors don't have all the answers; we learn together.
- iii. We honor the spirit of friendly competition.
- iv. What we discover is more important than what we win.
- v. We share our experiences with others.
- vi. We display Gracious Professionalism™ and Coopertition™ in everything we do.
- vii. We have fun!

**Complete these questions if you can: (use additional paper if needed)**

How does your team practice FLL Core Values?

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What was your favorite teamwork activity?

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What challenges did your team have to overcome?

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What is your favorite FLL Core Value and Why?

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What were your team's Community Service and 4-H Service efforts?

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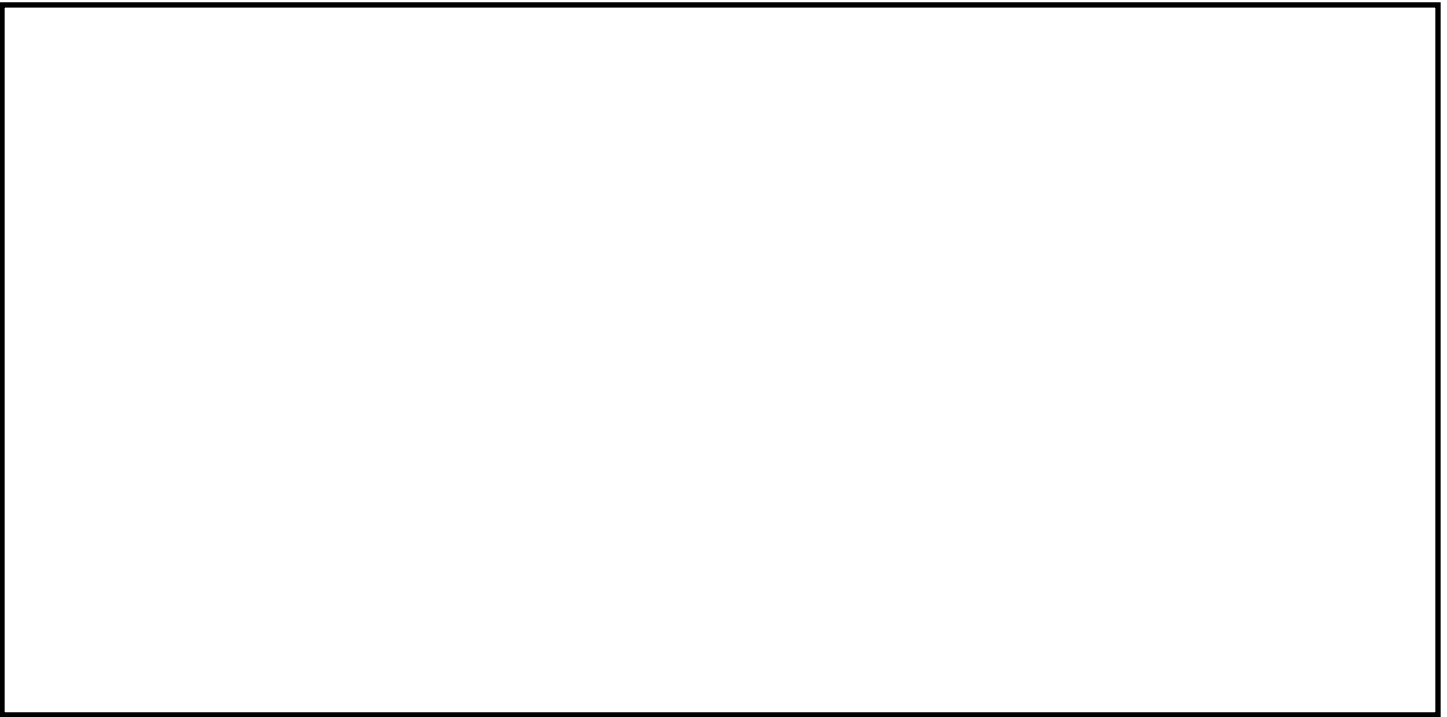
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### **SECTION 3: PROJECT**

This year's FLL challenge is: \_\_\_\_\_

What problem is your team studying?: \_\_\_\_\_

Picture of Project Solution:



Project Solution Description:

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We shared our solution with:

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What I learned during the research process:

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How this solution will help our community:

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Changes made to Project (Solution/Presentation/etc):

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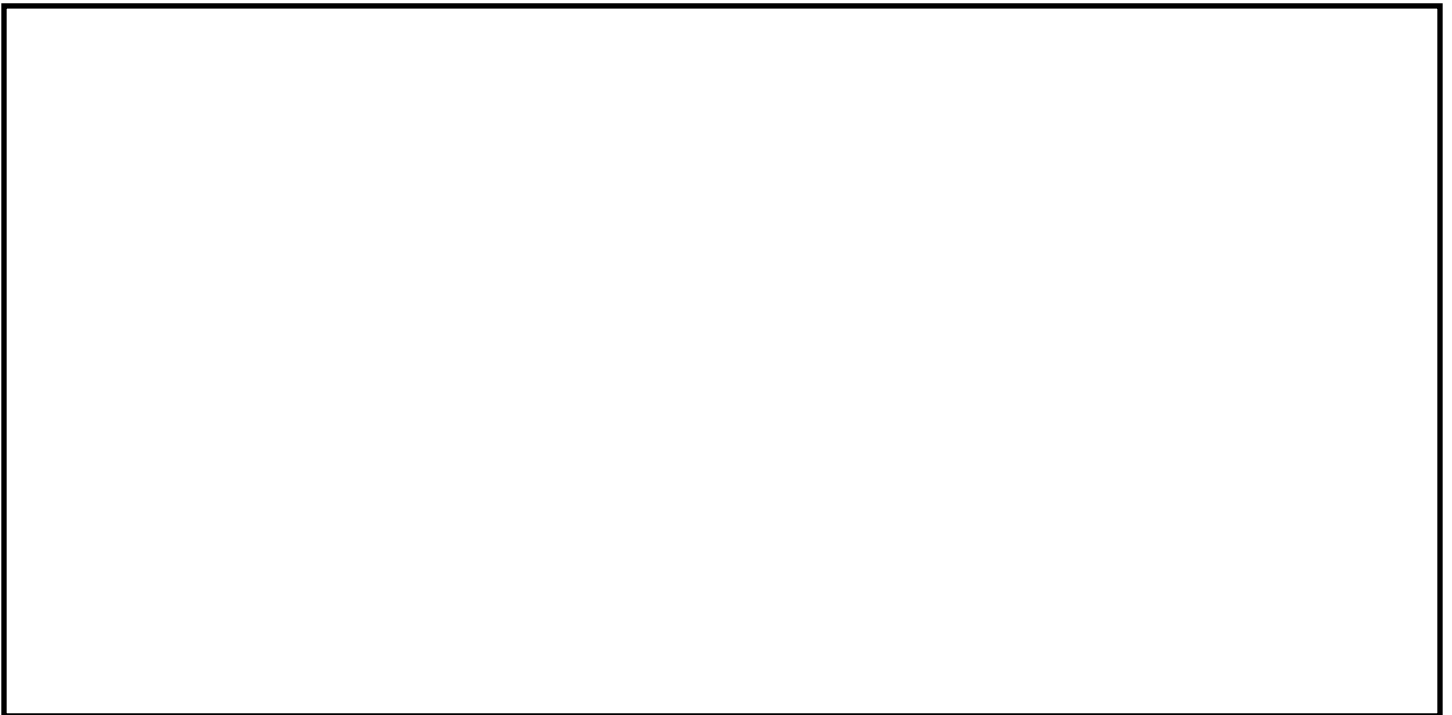
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#### **SECTION 4: ROBOT DESIGN**

Picture of our teams Robot Design concept:



Describe the mechanical design:

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Programming Information:

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Strategy and Innovation:

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Changes Made to the Robot during Competition Season:

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Additional worksheets that can be added to showcase your robotic programming & strategy can be found at:

<http://www.techbrick.com/Lego/Lego2013/Resources/index.html>

## **SECTION 5: COMPETITION EVENTS/AWARDS & RECOGNITION**

Our Team Competed at \_\_\_\_\_ event(s) during this FLL Season.

Awards won:

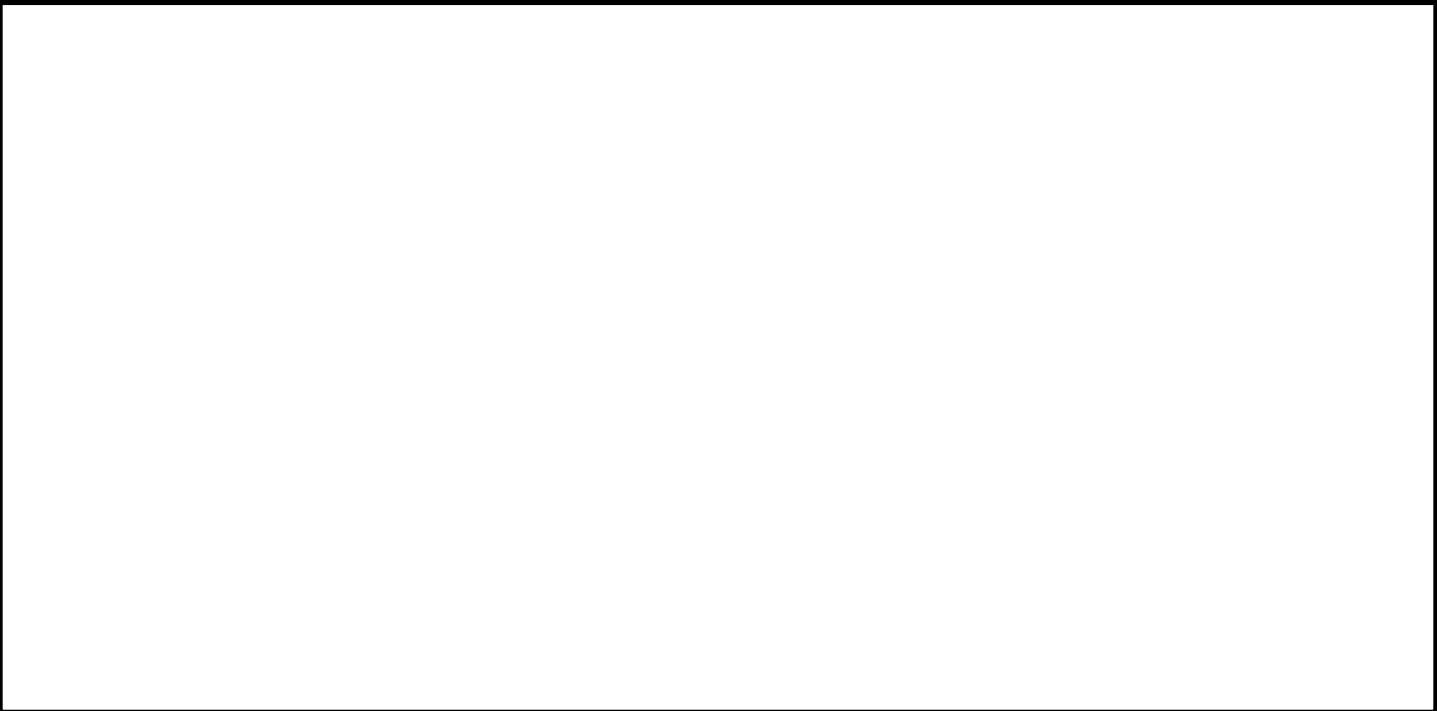
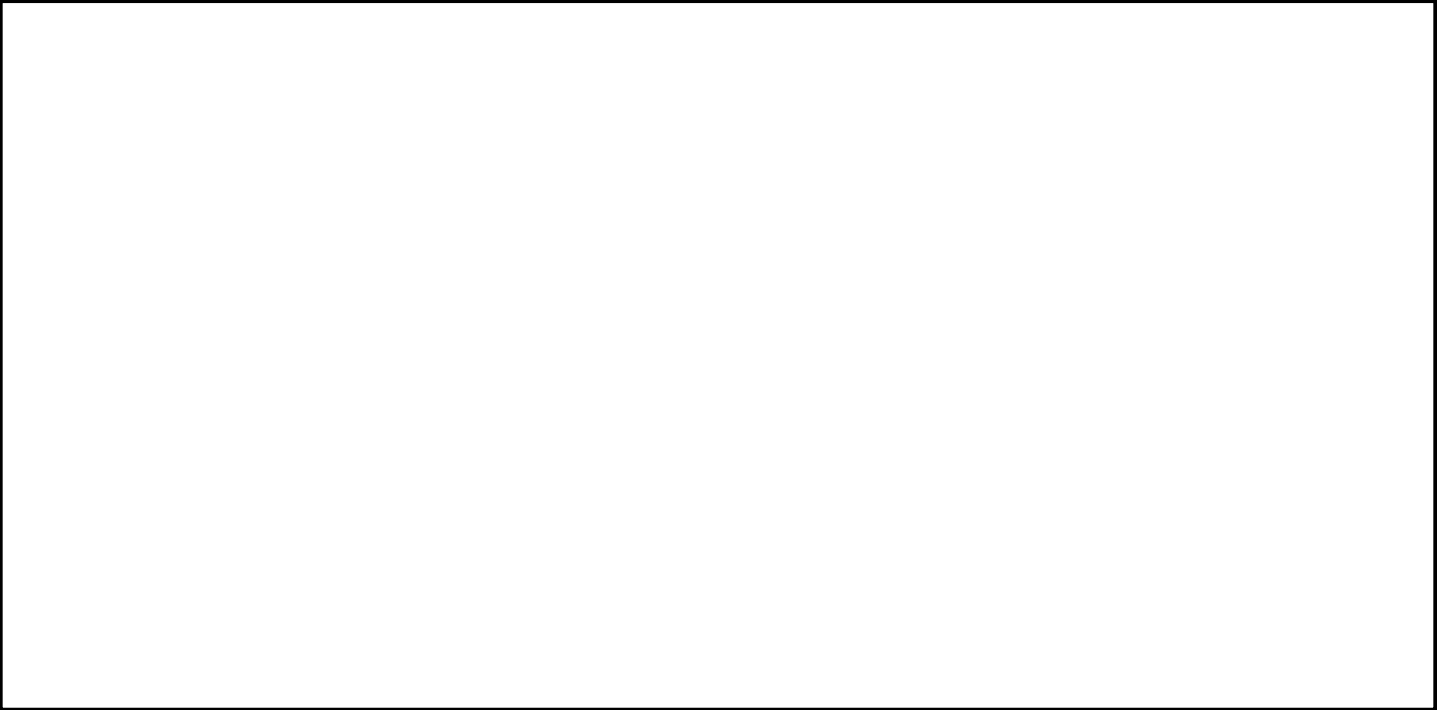
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Picture from Competitions:







## SECTION 7: SEASON REVIEW

My favorite things in 4-H this year:

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What I learned this FLL Season:

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What challenges I faced this year and what I did about them:

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A Proud Moment from this FLL Season:

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What I would like to do next season:

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## SECTION 9: ADDITIONAL PHOTOGRAPHS

If possible – please show the beginning of your project, working being done, & your completed project.



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**EXPLODING  
BACON**



With the Help of 4-H Exploding Bacon Robotics Club – *FIRST* Robotics Competition Team 1902.