

Name: _____

Parent/Guardian Interested in coaching? Yes or No

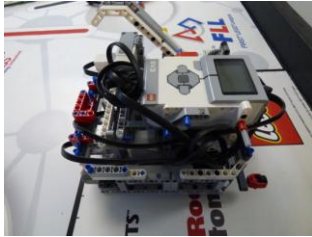
Grade: _____ School: _____

Tee Shirt Size _____

Animal Allies

Parent Name _____

Email Contact _____



Sylvania STEM Center FIRST Lego League Application Packet

Welcome to Sylvania STEM Center! We are preparing for the 2016-2017 *FIRST* LEGO League season! *FIRST* LEGO League is an international engineering competition sponsored by the non-profit organization *FIRST*, For Inspiration in Research and Technology. Teams compete in tournaments worldwide, designing and programming NXT Mindstorms or EV-3 robots to manipulate LEGO models on a 4' X 8' map, and creating innovative solutions to a real engineering problem of their choice. The theme for the 2016-2017 year is "Animal Allies" in which teams will choose and solve a real-world trash problem for their Project.

All students interested in participating Sylvania's FIRST Lego League team(s) next year must complete this packet. Completing this packet **does not** guarantee that students will be able to participate. Coaches will evaluate the applications received, consider the number of spots available on teams, and will use their best judgment to determine which students will be asked to participate and which team those students will be placed on.

Space is limited to max of 10 students per team. There are several teams throughout Sylvania and if there is a need for a new team, it will require 2 coaches per team. Parents interested in coaching or with questions should indicate so on the application and/or contact Crystal Burnworth, Sylvania STEM Director. Students of parents who coach still must complete all application materials and they will automatically be placed on their parent's team.

Team members will be required to pay a team fee--\$300 (\$100 deposit and the remaining \$200 due in August) to be enrolled on the team. There will be a raffle ticket fundraiser that can off set your \$200 remaining amount. Team fees covers the T-shirts, Competition Entrance fees, Team Registration, supplies, meeting space, etc. (See website www.sylvaniastem.org if you need financial assistance)

Application Materials (please include your name on all pages):

- Core Values Essay – please write a brief paragraph on what team work means to you.
- Teacher Recommendation – please have your teacher fill and sign this page.

All materials must be submitted to Sylvania STEM Center Director, Crystal Burnworth by **May 15th**. You can send them through your principal (if a Sylvania Schools student) and he/she can send them to **Northview High School c/o Crystal Burnworth or Mail completed forms to 7526 Shadywood Ln, Sylvania, Ohio 43560.**



Name: _____ Parent/Guardian Interested in coaching? Yes or No
Grade: _____ School: _____ Tee Shirt Size _____ Animal Allies
Parent Name _____ Email Contact _____

Exploring the relationship between people and animals



Get ready. Get set. Roar! Or you could bark, quack, or squeak, because the 2016 ANIMAL ALLIES season is all about our furry, feathered, and finned friends. In the 2016 *FIRST LEGO League* Challenge, more than 28,000 teams of students, ages 9 to 16*, will look into the eyes of our ANIMAL ALLIES. What might become possible when we learn to help each other?

FIRST LEGO League challenges kids in over 80 countries to think like scientists and engineers. During the ANIMAL ALLIES season, teams will choose and solve a real-world problem in the Project. They will also build, test, and program an autonomous robot using LEGO MINDSTORMS® technology to solve a set of missions in the Robot Game. Throughout their experience, teams will operate under the *FIRST LEGO League* signature set of *Core Values*, celebrating discovery, teamwork, and *Gracious Professionalism*®.

Core Values Essay

Please write a paragraph explaining what teamwork means to you and provide examples of how you have demonstrated teamwork skills in your life.



The Robot Game and Project are what teams do. The FLL Core Values are how they do it.



Name: _____ Parent/Guardian Interested in coaching? Yes or No
Grade: _____ School: _____ Tee Shirt Size _____ Animal Allies
Parent Name _____ Email Contact _____

Sylvan Robotics/STEM Center FIRST Lego League Policies

All team members deserve the opportunity to participate in Lego League in a safe and nurturing environment. Participants need to represent the school and our learning community in a safe and responsible manner.

1. Although FLL robotics is an after-school activity, all school rules remain in effect and students must follow the rules in the student handbook. Student must pay particular attention to how they behave at the team's meeting place and must follow directions provided by coaches regarding computer usage, use of Robotic kits, playing field, etc. Student who cannot follow the rules will be asked to leave the team.
2. **Behavior** – Displays of aggressive or anti-social behavior and/or use of profanity will not be tolerated. Bullying, threatening or intimidating of other students or use of profane language or code words for profane language will result in student being removed from the group until s/he can behave in a respectful manner.
3. **Assignments** – There are homework and research assignments associated with Robotics. Team members are counting on each other to do their part.
4. **Attendance** – Attendance is not optional. Teams generally meet at least twice per week (5-6 hours) during the competition season. As tournaments get closer, there may be additional meetings. If a student is unable to attend a meeting, his/her parents should contact the coach as soon as possible.
5. **Timeliness** – Being on time for practice and competition is essential.
6. **Core Values:** Students need to adhere to the FIRST's Core Values at all times. These values are:
 - a. We are a team.
 - b. We do the work to find solution with guidance from our coaches and mentors.
 - c. We know our coaches and mentors don't have all the answers; we learn together.
 - d. We honor the spirit of friendly competition.
 - e. What we discover is more important than what we win.
 - f. We share our experiences with others.
 - g. We display Gracious Professionalism® and Coopertition® in everything we do.
 - h. We have FUN!

Gracious Professionalism®: Gracious Professionalism is part of the ethos of *FIRST*. It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. With Gracious Professionalism, fierce competition and mutual gain are not separate notions. Gracious professionals learn and compete like crazy, but treat one another with respect and kindness in the process.

Coopertition®: Coopertition® produces innovation. At *FIRST*, Coopertition is displaying unqualified kindness and respect in the face of fierce competition. Coopertition is founded on the concept and a philosophy that teams can and should help and cooperate with each other even as they compete. Coopertition involves learning from teammates. It is teaching teammates. It is learning from Mentors. And it is managing and being managed. Coopertition means competing always, but assisting and enabling others when you can.

Teacher/Coach Recommendation – Sylvan Robotics/STEM Center FIRST Lego League



The Robot Game and Project are what teams do. The FLL Core Values are how they do it.



Name: _____ Parent/Guardian Interested in coaching? Yes or No
Grade: _____ School: _____ Tee Shirt Size _____ Animal Allies
Parent Name _____ Email Contact _____

Elementary School Students – please give this form to your primary teacher this year.

Middle School Students – please give this form to one of your core subject teachers.

*Form can be given back to student or sent directly to Coordinator Crystal Burnworth @ Northview High School

Name of Student: _____

Teacher Signature: _____

Please circle the word that best answers the question

1. Does this student work well in groups?

Always Sometimes Never

2. Does this student have an aptitude for creative ideas and/or problem solving?

Always Sometimes Never

3. Does this student demonstrate the ability to work independently?

Always Sometimes Never

4. Does this student complete assigned tasks in a timely manner?

Always Sometimes Never

5. Does this student exhibit self-control in loud and boisterous situations?

Always Sometimes Never

6. Does this student find peaceful ways to solve interpersonal conflicts?

Always Sometimes Never

7. Does this student enjoy speaking in front of his/her class or a small group?

Always Sometimes Never

8. Does this student work well in a team activity?

Always Sometimes Never



The Robot Game and Project are what teams do. The FLL Core Values are how they do it.

