

# Sylvania STEM Center's FIRST Lego League Application Packet



Welcome to Sylvania STEM Center! We are preparing for the 2023-24 *FIRST* LEGO League season! *FIRST* LEGO League is an international engineering competition sponsored by the non-profit organization *FIRST*, For Inspiration in Recognition of Science and Technology. Teams compete in tournaments worldwide, designing and programming NXT Mindstorms, EV-3, or Spike robots to manipulate LEGO models on a 4' X 8' map, creating innovative solutions to a real engineering problem of their choice. The theme for the 2023/24 year is called Master Piece and focuses on art. Teams will identify and solve a real-world problem for their Project.

All students interested in participating in 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. We run a max of 15 FLL teams with typically 8 kids per team (10 kids max). Each team requires 2 volunteer coaches. Parents interested in coaching or with questions should indicate so on the application and/or contact Tom Burnworth, Sylvania STEM Center's Executive Director. Students of parents who coach still must complete all application materials and they will automatically be placed on their parent's team. Please don't delay in returning this application. Every year we have kids on a waiting list that we can't accommodate.

Team members will be required to pay a team fee--\$410 to be enrolled on the team. Team fees cover the T-shirts, Competition Entrance fees, Team Registration, supplies, meeting space, etc. The team fee DOES NOT cover travel expenses. We have financial aid available for those in need.

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

- Core Values Essay – please write a brief paragraph on what teamwork means to you.

**All applications must be submitted to Sylvania STEM Center c/o Tom Burnworth**

**Email: [tom@sylvaniastem.org](mailto:tom@sylvaniastem.org) or Mail completed forms to 7335 Sylvania Ave., Sylvania, Ohio 43560.**



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## 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 conduct themselves 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 a school's student handbook. Students 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. Students 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 other students, or use of profane language or code words for profane language will result in the 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:
  - **Discovery:** *We explore new skills and ideas.*
  - **Innovation:** *We use creativity and persistence to solve problems.*
  - **Impact:** *We apply what we learn to improve our world.*
  - **Inclusion:** *We respect each other and embrace our differences.*
  - **Teamwork:** *We are stronger when we work together.*
  - **Fun:** *We enjoy and celebrate what we do!*

### Sylvania STEM Center Contact info:

Tom Burnworth – [Tom@sylvaniastem.org](mailto:Tom@sylvaniastem.org), 419-283-3084

Website – [www.sylvaniastem.org](http://www.sylvaniastem.org)

**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.



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## 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.

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**Name:** \_\_\_\_\_ **Grade:** \_\_\_\_\_

**School:** \_\_\_\_\_

**I have read the application packet:** \_\_\_\_\_

**Parents Name:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Are you willing to coach:** \_\_\_\_\_

Please return only this sheet to Sylvania STEM Center c/o Tom Burnworth  
Email: [tom@sylvaniastem.org](mailto:tom@sylvaniastem.org) or Mail completed forms to 7335 Sylvania Ave., Sylvania, Ohio 4356

