

2016 – 2017 Gravely Elementary First Lego League Application

The G-Bots Robotics team will be forming in September. Our team can consist of up to 10 members. Members will be a mix of 4th and 5th graders. Robotics is a school sponsored club that uses the Lego Mindstorm EV3 Robot to build and program. The robot will be programmed to complete a set of missions supplied by First Lego League. WE DO NOT BUILD LEGOS! This is important to understand.

Meetings are held after school till 5:00pm once a week and occasionally before school at 7:45 am. **Attendance is mandatory.** The team will be selected based on the applications submitted. Two Gravely teachers will review and rank the applications.

The 2016 Challenge is Animal Allies. Get ready. Get set. Roar! Or you could bark, quack, or squeak, because the 2016 ANIMAL ALLIESSM season is all about our furry, feathered, and finned friends. In the 2016 *FIRST*[®] LEGO[®] League Challenge teams of students age 9 to 16 will look into the eyes of our ANIMAL ALLIESSM. What might become possible when we learn to help each other?

FIRST LEGO League (FLL[®]) challenges kids to think like scientists and engineers. During the Animal Allies season, teams will choose and solve real-world problems. They will also build, test, and program an autonomous robot using LEGO MINDSTORMS[®] EV3 technology to solve a set of missions in the Robot Game. Throughout their experience, teams will operate under FLL's signature set of Core Values, celebrating discovery, teamwork, and Gracious Professionalism[®].

See more at <http://www.first-lego-league.org/en/2016/registration.html>

NO PRIOR Lego MINDSTORM EXPERIENCE REQUIRED. But there are a few requirements

- Student must be self-motivated in work
- Student can spend 30 minutes per week outside of meetings on Robotics related homework/tasks
- Student are willing to work on tasks outside their comfort zone
- Student class conduct must be of the highest quality
- Students can work in a team focused environment

Students interested must turn in the Student Application to the front office by June 10th 2016.

Students must get one referral from the current classroom teacher and one from a club coach or sports coach. The referrals must be hand delivered by the teacher to the front office or mailed to the school if submitted by an adult not affiliated with the school. Students cannot deliver referrals.

Students will be notified over the summer of they were selected for the team.

Questions can be sent to GravellyGbots@gmail.com

G-Bots STUDENT APPLICATION - PAGE 1 of 2

Name: _____ Grade for fall 2016: _____

Email: _____ Phone: _____

Parent's Names: _____

Current Teacher: _____

Have you ever been on a Lego Robotics Team? Where? _____

Have you attended a Lego Robotics camp? Where?

What other after school activities do you participate in? _____

When you get a good idea, do you

- A) let everyone know!
- B) work on it alone till it is done
- C) Get my friends to help me
- D) See how it compares to others ideas before I talk about my idea

I really like to (Circle all that apply in BLUE)/I do NOT like to (Circle all that apply in RED)

- | | |
|---------------------|-----------------------------------|
| A) Build Legos | D) Be a leader |
| B) Learn to program | E) Do research and write about it |
| C) Speak in public | F) Work alone |

G-Bots STUDENT APPLICATION - PAGE 2 of 2

Name: _____

1) Explain why you want to be on the Robotics team (50 – 100 words)

2) Write a paragraph on how you think humans and animals can work together to help our community.

Gravely G-Bots Robotics

Teacher/Coach Recommendation Form -1

Thank you for taking time to complete this application form. Please Return to Gravely Elem, 4670 Waverly Farm Dr Haymarket VA 20169 ATTEN: Robotics by July 15th 2016. Do not give this form back to the student.

This form is CONFIDENTIAL and will only be seen by the Robotic coaches and the Gravely Vice Principal.

Student Name: _____

Teacher/Coach Name: _____

How do you know this student?: _____

Robotics is a team that requires self-directed, responsible students that work well in a group.

Please rate this student on a scale of 1 - 10 where 1 = NO and 10 = YES

- 1) Student is responsible 1 2 3 4 5 6 7 8 9 10
- 2) Student is self- motivated 1 2 3 4 5 6 7 8 9 10
- 3) Student listens to/follows directions consistently 1 2 3 4 5 6 7 8 9 10
- 4) Student enjoys a challenge 1 2 3 4 5 6 7 8 9 10
- 5) Student is creative 1 2 3 4 5 6 7 8 9 10
- 6) Student works well with others 1 2 3 4 5 6 7 8 9 10
- 7) Student overcomes obstacles 1 2 3 4 5 6 7 8 9 10

Any other information you would like to share with the Robotics coaches?

Gravely G-Bots Robotics

Teacher/Coach Recommendation Form -2

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