

# Robotic Angels 2017 Summer Robotics Boot Camp

For three Saturdays this summer in August, come to Archangel School and learn all about FIRST LEGO League (FLL) robotics!

This is open to students who are eligible for FLL in the fall (4<sup>th</sup> through 8<sup>th</sup> grades).

This summer the dates will be:

- Sat, 5 August 2017 2-6pm
- Sat, 12 August 2017 2-6pm
- Sat, 19 August 2017 2-6pm



For the first week we will explore the basics of designing, building and programming a robot. During the second week we will build on the foundation from the week before and students will take their creations to the next level. There will be fun activities, a pizza party one week and lots of learning taking place. There will be mini-challenges for the students to tackle each week and there will be an opportunity to showcase to their parents what students have learned.



No previous experience with LEGO robotics is required. You just need a good attitude and a desire to learn how to build and how to program a robot.

## Official details for parents and students about the Robotics Boot Camp (RBC):

- The cost to attend will be \$15 per student. This will be used to help defray the cost of a new robot kit we hope to purchase for use during the boot camp. (As long as we get enough corporate sponsorship, we plan for robotics during the fall of 2017 to still be no cost.)



- We will be able to enroll 12 students in the RBC. This will be a total of six teams of two students each and two teams per robot. **RSVP date is by Saturday, 22 July 2017**; hold your spot by submitting your \$15 fee and the attached sign-up form.
- It would be best if each student (or at least each team of students) has a laptop where they have downloaded the free Mindstorms software onto it before the first meeting date. Software is free and is available here: <https://www.lego.com/en-us/mindstorms/downloads/download-software>. We ask students to bring this laptop with them each of the three Saturdays. This will reduce waiting time for students to be able to write and modify their programs.
- Students will be encouraged to play with the software while they are home in the intervening days between the three Saturday meeting times in August.
- There will be a zero tolerance for behavioral issues at Robotics Boot Camp. All students who attend are expected to take part fully and respectfully in all activities. We understand that four hours is a long time to focus, so we plan to incorporate weather-appropriate stretch/running breaks, a snack time and short, moderated diversionary activities. We will not tolerate any student who displays a lack of respect for other students, the volunteers who lead the program, the facilities or the equipment. Any improper conduct will be addressed once, and if it happens again, parents will be called and asked to remove their student from the program.

# Robotic Angels 2017 Summer Robotics Boot Camp Sign-up Form

Student name: \_\_\_\_\_

Parent / Guardian names:

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Parent / Guardian email address and phone number:

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Student is able to attend all three Saturdays of Boot Camp:     yes     no

Name of Parent or Guardian who might like to volunteer or help out at the camp:

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