



Guardian Angels School -Robotics and Engineering Club 2019-20

This club's mission is to provide a fun and educational outlet for those GA students in grades 4-8 who have an interest in topics in robotics and engineering. The students will be engaged with varied "hands-on" activities + challenges in engineering disciplines as well as the building and programming of robots. Thank you for your son/daughter's interest in the GA Robotics and Engineering Club.

Meetings: Meetings would be held outside of the normal class day. The meetings are held on Thursday 1-2X per month in the GA Science Lab running from 3:00-4:30pm . About one-third of the meetings will focus on engineering topics and two-thirds of the meetings will be spent on building and programming the Lego robots. With the annual fee, the club has purchased Lego robots. We have a set of both Lego NXT and LEGO **Boost** Robots.

The scheduled meeting dates are below Additionally, reminder announcements will be made days before on the "Angels on the Air" school announcements prior to the actual club meeting day.

Scheduled Meeting Dates:

Sept 5, 2019
Oct. 3 and Oct 24, 2019
Nov. 7, 2019
Dec. 5, 2019
Jan. 9 and Jan 23, 2020
Feb 6, 2020
March 5, 2020
April 2 and April 23, 2020
May 7, 2020

Parental help:

Parents can help in three primary ways:

- 1) Every meeting we need additional help to help monitor the students along with the teacher(s). You don't have to be an engineer or a robotics expert to help. You do need to be VIRTUS trained and up to date. ☺
- 2) The students receive a snack and drink before every meeting. Purchasing these items and having them available before each meeting is helpful. Specific items will be requested and you will be reimbursed.
- 3) Any parental suggestion for a new topic for a meeting is appreciated. I will work with you to coordinate and implement.

Club expectations:

Every year we strive to make the club as fun and educational as possible and every year we as a club specify a simple set of rules that define the behaviors expected for the club. We are making the parents aware of the rules in order to help maintain a positive environment for all students. We are asking that both you and your child sign and return the form on the following page acknowledging and agreeing to the rules of the club.

Dues: We ask that each student who would like to participate in the club pay a one-time fee of \$50 for the entire school year. This charge covers the costs associated with drinks and snacks prior to each meeting, any incidental supplies that need to be purchased for the hands-on experiments, and the costs to purchase and maintain the LEGO robot kits.

==> This completed form along with the dues can be brought to the first meeting -or- it can be dropped off at the school office in a sealed envelope titled – "Robotics Club" along with your child's name. All checks should be made out to "Guardian Angels School" and put in the reference line 2019-2020 GA R+E dues) The dues and the signed Club Rules can be included in the same envelope.

Questions: Please contact Steve Rowekamp (cell 253-2791) srowekamp@gaschool.org

GA Robotics - CLUB RULES AND EXPECTATIONS

RULES:

1. **RESPECT:** We will respect each other throughout the meeting including:
 - a. Quiet attention at the beginning of the meeting for coach instructions. This is the time that the coaches will explain the activities for the day.
 - b. Quiet attention when instruction is provided or if we have group questions and answers – this is rare but occasionally additional group instructions are required.
2. **PROTECT THE EQUIPMENT.** Parts should not be thrown or used in any way except as required by the projects. Teams are provided with all the equipment required and taking parts from others teams is not allowed.
3. **SNACK** – Must be completed before we begin. This means that all snacks must be consumed or put in backpacks and all trash must be thrown out.
4. **QUESTIONS:** All questions are welcomed and appreciated. During group session, if you have a question, please raise your hand.
5. **CLEAN-UP** is for everyone. Pick up all parts of the project and return it to the proper location identified by the coach. The meeting will not be dismissed until all clean-up is completed.

In the case that a student is not following the rules, the following protocol will be used:

First Incident – a verbal reminder

Second Incident – Student will be removed from that meeting's activity and be required to sit quietly until the meeting is over. (Parents will be notified).

Third Incident – Student will be asked to leave the club. (Parents will be notified).

I have read and agree to the Robotics and Engineering Rules. DATE: _____

Student's Name: _____ Student's Signature _____

Parent's Signature _____