

Sangster PTA Robotics Club

2018-2019

Grades 3rd-6th

To find: Google “sangster robotics club”

<http://sangster.digitalpto.com/student-activities/robotics-club/>

What: Sangster PTA Robotics Club is a fun-oriented, PTA-sponsored club that interactively teaches kids Engineering and Robotic Design principles

Who: All students from 3rd to 6th Grade.

The organizers are volunteer parents / professional nerds: Fazal Sheikh, fazalsheikh1@gmail.com. New volunteers are always appreciated since it's the only way the club can work.

When: We will typically meet on Wednesdays but occasionally switch to other days if the cafeteria is in use. All grades will meet from 6:30pm to 8:00pm.

Where: Sangster Elementary Cafeteria

How: The Process

- Teams of 4 or fewer kids – form up, hear the challenge, develop a design solution, and start building
- Kids design and build, Parents stay with the kids and help – **not a drop off program**
- Kids will have to collaborate and build different sections – Parents mediate fairness – Organizers provide guidance as needed
- Lego kits are: Battery Powered Movement – not computer programming
- We use exclusively Lego: 9686 Simple & Powered Machines Set
- 60 minutes to design and build – 20 minutes to compete and 10 minutes to clean up

Why:

- Engineering and Robotic Design principles
- Fun competition oriented
- Makes your kids geniuses so they can use MIT as a safety school*

How much:

- \$20 for the year, minor supplies, and lots of batteries



* Results may vary.