

LEGO Robotics After School

On Friday 3:00 - 4:15 PM

Start Date: 01/20/2017

End Date: 03/17/2017



To Enroll visit www.bricks4kidz.com/355

Click View Classes Gear & Select St. Luke School Location

Contact: Deirdre Zuccarello - Parent Coordinator Cell: 917-681-2404

Contact Bricks 4 Kidz at:

(718) 300 7305 or (917) 288 4158

E-mail: avarma@bricks4kidz.com

SPACE IS LIMITED.

**Visit Website
TO REGISTER**

DESCRIPTION:

- ✔ This is a hands-on class where students build machines, buildings, vehicles and other structures out of LEGO® Bricks, using one-of-a-kind model plans designed by Bricks 4 Kidz®.
- ✔ Each class begins with a teacher-led discussion related to the model of the day.
- ✔ Students build a new project each week.
- ✔ While exploring principles of engineering, architecture, physics and more, students will develop problem solving and critical thinking skills.
- ✔ Once the project is complete, children use the rest of their time to modify their model builds and collaborate with one another.

CURRICULUM & INSTRUCTIONAL CONTENT:

- ✔ Students will work in a lab-type setting using LEGO® components such as gears, axles and beams.
- ✔ Instructional content is multi-disciplinary and designed by educators to increase the student's general knowledge and introduce **S.T.E.M.** (science, technology, engineering and math) concepts related to the day's model.
- ✔ Lessons are designed around students' interests, with themes such as animals, space, transportation and sports.
- ✔ The material covered in each session will vary depending upon students' age, experience, and skill level.
- ✔ All materials are provided

GOALS:

- ✔ To build problem-solving skills, provide an opportunity for creative expression and foster an appreciation for how things work.
- ✔ For students to play and socialize with friends while learning the fundamentals of engineering and architecture in a non-competitive setting.
- ✔ To help students understand that architecture and engineering are viable career choices.

BENEFITS:

- ✔ When lessons are related to something students enjoy, such as building with LEGO® Bricks, students are motivated and retain more of what they learn.
- ✔ Working with a partner fosters teamwork and cooperation.
- ✔ Completing a new challenge each week builds self-esteem.
- ✔ Students already know how to build with LEGO® Bricks, however with a little coaching, they can learn about engineering, architecture, physics, and math using specialized components.



DURATION/FREQUENCY/COST:

- ✔ **Classes meet every Friday starting 01/20/2017 and ending 03/17/2017. (No Class on 02/24/2017).**
- ✔ **Half Day Classes conducted from 11:45 AM - 1:00 PM on 02/03/2017 & 3/03/2017**
- ✔ **Fees: \$170 for 8 weeks program. Cash or Check Payable to Saint Luke School.**
- ✔ **Please send in payment after registering at the online link.**

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