

Lego Engineering and Robotics Club

Spring Session Class Details

Class Introduction

Lego Engineering and Robotics Club – Now with Intro to Coding

Welcome to Young Engineers where our mission is to teach children STEM concepts in a fun and entertaining way. Students will experience our creative, challenging and exclusive curriculum in which they will build a variety of motorized LEGO models that will allow them to learn, explore and most importantly experience STEM concepts.

In each one of our classes we introduce a STEM concept to students in a bite size manner and students build the Lego model that really brings to life the concepts being taught. For e.g. when we talk about centrifugal force, students might build a washing machine model or a merry go around swing. Or if we talk about torque or levers then students might build a catapult model. Our classes utilize the spiral learning concept which means we build on learnings from previous lessons as classes progress.

New for the Winter 2026 session

We are happy to announce that we will be introducing a new program that will introduce kids to some basic and fundamental coding concepts. For the last 3 or 4 sessions, students will get to use tablets and use a block programming language (similar to Scratch) to explore some coding concepts such as loops and incorporate coding elements with additional sensors such as light, noise etc.. Students will be paired up with each pair getting a tablet and programming task.

Younger students (grades 1-2) will focus on programming a pre-built Lego model and completing the tasks given. Older children (grades 3-5 depending on students individual capabilities) will get to not only build a challenging Lego model, but they will then also be given a series of tasks that they will need to program and get the model they built to follow these tasks.

We are very excited to bring this new program to Smith and we know your children will love the new challenges.

Who are our teachers: Teacher Rohit and teacher Nomita both are passionate about teaching STEM in a fun and engaging way. The curriculum is designed by Young Engineers which is a world renowned and award winning STEM education company and customized and enhance for our students. The customized curriculum allows the teachers to cater to different abilities and in each class students will be offered the ability to work on models appropriate to their skill set.

Who: 1-5 graders

Time: Friday 4:00-5:15pm, 2/20-6/5 (no class on 3/13, 4/17, 5/22), total is 13 classes

Class Size: Min 8/ Max 26

Location: School small gym

Material: Teacher provides all the Lego equipment so students just need to bring their creativity and imagination!

Cost: \$399 for 13 classes

(If we do not have enough volunteers and cannot open the class successfully, we will inform you and refund the full amount.)

No Volunteer, No Club: If no volunteer signs up at least 7 days before the class starts, we will announce that the class will not open and refund your tuition.

"We encourage each family sign in at least one spot volunteer if possible—volunteering is simple and flexible! You'll just help with sign-in and sign-out, and you're welcome to bring your laptop and work while you're there. Sign Up Here!

If you need financial support, please contact with school counselor,
Mrs. Muhlestein <jmuhlestein@lwsd.org>

Sign up deadline: 2/10 9pm

Any question? email to clubs@smithptsa.org