



Stemtree Robotics Workouts After School Program

It is important to note that children who attended our previous Stemtree camps or our after school program(s) will have different activities and continue learning new science and engineering concepts based on their prior work with us. Students will have new assessments and a customized learning plan in each of our programs.

⚙️ **Stemtree Engineering Program**

All facets of our life are affected by engineering -- genetic, civil, software -- just to name a few. To be successful in the field of engineering, creative problem solving abilities are a must. Stemtree Engineering program uses the wonder and genius of robots to inspire students to learn engineering, apply their knowledge and skills of basic science, model construction, computer programming, and problem solving to explore STEM concepts. This is both a perfect introduction to the world of robotics for younger students and an opportunity to expand the knowledge base of older students.

We provide students a curriculum to apply scientific analysis to learn the basics of engineering.

Students will use either WEDO or NXT based on their grade level and if they have previous experience with Lego robotics.

⚙️ **Content Focus:**

- Use of computer, learn programming language, develop computer games and apply basic science
- Students will be assessed in case they have already taken engineering related concepts.

⚙️ **Grades Level:**

- No previous computer programming experience
- Grades 1 - 6

⚙️ **Materials:**

- Flash drives provided.

⚙️ **Tuition/Fees:**

- Call for Info

⚙️ **Proposed Date:**

- To be determined by school

⚙️ **Refund Policy:**

- As classes will run the full length of each session, there will be no make-up classes unless deemed necessary by the instructor. An individual class may be canceled due to weather or unforeseen circumstances. Cancellations will be brought to the attention of all participants as soon as possible.
- No refunds will be granted for requests made after the start of the program.
- No make-up class for any missed class