

# ENGINEERING FOR KIDS

*Inspiring the Next Generation of Engineers*

Engineering For Kids® Lake County is pleased to partner with East Lake Academy to provide an extra-curricula afterschool activity for East Lake students

## About Us

Engineering For Kids® brings the wonder and excitement of STEM education (science, technology, engineering, mathematics) to children ages 4-14 through a variety of hands-on learning experiences. Below is a list of classes for the first session at East Lake Academy. For more information about Engineering For Kids classes, visit us at: [www.engineeringforkids.com/lakecounty](http://www.engineeringforkids.com/lakecounty)

Register by: October 20th  
\$15 late registration fee applies after 10/20  
\*\*\*\*\* No class 11/24 and 12/1  
\*\*\*\*\* We will have class on Wed 11/30

## Fall Session 1

### Junior Robotics: Simple Machines (Grades K - 2<sup>nd</sup>)

We use simple machines everyday, but many times without even recognizing them. In Junior Robotics: Simple Machines United, students will explore the basic concepts of simple machines and how we use them to achieve even our most grandiose goals! Students will use LEGO® WeDo™ construction and resource kits to produce new and exciting builds that will be used to create Kelvin's Amusement Park.

Thursdays ♦ 3:00 - 4:30pm ♦ East Lake Academy ♦ Oct. 27<sup>th</sup> - Dec. 8<sup>th</sup> \*\*\*\*\* (6 weeks) ♦ \$150

### Apprentice EFK Robotics Academy Level 1: Robots on the Move (Grades 3<sup>rd</sup> - 5<sup>th</sup>)

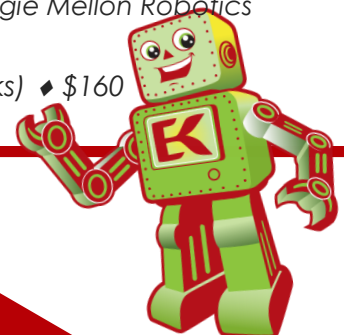
Students will learn the basics about LEGO® Mindstorms® EV3 robotics and be introduced to the Robot Virtual World. As the level progresses, students will use measurement and mathematical reasoning skills to navigate challenging scenarios with strict limitations. Upon completion of this level, students receive their EFK Robotics Academy certificate granting them access to the Robot Virtual Worlds from home, where they can build upon their new skills as they work towards their Carnegie Mellon Robotics Academy Certification.

Thursdays ♦ 3:00 - 4:30pm ♦ East Lake Academy ♦ Oct. 27<sup>th</sup> - Dec. 8<sup>th</sup> \*\*\*\*\* (6 weeks) ♦ \$160

### Master EFK Robotics Academy Level 4: Programming with RobotC (Grades 6<sup>th</sup> - 8<sup>th</sup>)

Students will be introduced to the C based programming language, ROBOTC, using the ROBOTC graphical software while completing specific challenges in the Robot Virtual Worlds. Upon completion of this level, students receive their EFK Robotics Academy certificate granting them access to the Robot Virtual Worlds from home, where they can build upon their new skills as they work towards their Carnegie Mellon Robotics Academy Certification. (No prior experience needed.)

Thursdays ♦ 3:00 - 4:30pm ♦ East Lake Academy ♦ Oct. 27<sup>th</sup> - Dec. 8<sup>th</sup> \* (6 weeks) ♦ \$160



**Register and Pay Online Today!**

[www.engineeringforkids.net/lakecounty](http://www.engineeringforkids.net/lakecounty)

**224-372-7805**