



**Robot Cadet:
Exploring Science, Technology, Engineering and Mathematics (STEM) via Lego Mindstorms projects**

Children will have fun while learning basic static structures used in robotics by applying the fundamentals of math and science concepts. They use ePortfolio to document their work and write technical reports for each project. They will build their robots and program them using Lego NXT software. They will enjoy playing drag race, capture the flag and sumo with fellow team members. The robot cadets will compete in mini team competitions and demonstrate their projects in a Show & Tell to the audience. A great introductory course in robotics designed for K-8 children.

**This is a pre-requisite course for Roboteer—the next level in the series.



First is a Not-for-profit organization with a mission to design accessible, innovative programs that motivate young people to pursue education and career opportunities in science, technology, engineering, and math, while building self-confidence, knowledge, and life skills. First Logo is a registered Trademark of FIRST. LEGO®, MIND-STORMS®, and the LEGO Logo are all trademarks of the LEGO Group. ©2010 The LEGO Group. Mathobotix offers Science, Technology, Engineering, and Mathematics (STEM) curriculum based educational robotics classes to K - 12 students.

**Robot Cadet:
Lego Robotics
Engineering 101 for Kids—
Beginner Level**

**JCC Fall Afternoon
Enrichments
Tuesdays & Wednesdays
3:30-5:30 p.m.**

**JCC Member: \$480 + \$40
annual lab fee
Public: \$500 + \$40 annual
lab fee**

**5-9 years old:
Tuesdays
September 14-November 30
3:30-5:30 p.m.**

**10-15 years old:
Wednesdays
September 15-December 1
3:30-5:30 p.m.**

For more information, Ariella Klein at (949) 435-3400 ext. 300 ariellak@jccoc.org

Children's Department Staff:

Audra Martin: Children, Teen and Camp Haverim Director

Ariella Klein: Children, Teen and Camp Haverim Asst. Director

Robbie Deutschman: Children's Enrichment Coordinator

Eric Schwartz: Program Specialist

Sarah Pepper: Children, Teen and Camp Haverim Office Manager

Mathobotix Fall Session (Robot Cadet)

Child's Name _____ Age _____ Parent Name _____

E-mail: _____ Daytime Phone (_____) _____

Address _____ City/State/Zip: _____

_____ Tuesdays (5-9 years old) _____ Wednesdays (10-15 years old)

PLEASE MAKE CHECKS PAYABLE TO MATHOBOTIX AND INCLUDE YOUR CARD #

TOTAL DUE \$ _____ Check enclosed (payable to Mathobotix) Please charge my VISA M/C Amex

Acct No. _____ Name on card _____

Exp. date _____ Authorized Signature _____

MAIL: Merage JCC of Orange County, One Federation Way, Ste. 200, Irvine, CA 92603 FAX: (949) 435-3401

PROGRAM FEES ARE NON-REFUNDABLE • \$25 service charge for returned checks



Input by _____
Date _____