



Date: July 29, 2015
To: Patrick H. West, City Manager *T.H.W.*
From: Glenda Williams, Director of Library Services /s/
For: Mayor and Members of the City Council
Subject: Long Beach Public Library Hosts LEGO Robotics

Discover the magic of robotics this August at Main Library. Participants will get hands-on experience building and programming LEGO Mindstorms robots beginning August 6, 2015 on Thursdays from 2:00 – 4:00 p.m.

LEGO Robotics is a great way to introduce kids to science, technology, engineering and mathematics in a fun, familiar setting. In addition to having fun building with LEGOs, participants learn about mechanical and software design and develop problem-solving and teamwork skills

Led by instructors from Shared Science, this four-session program will begin with an introduction to LEGO Mindstorms robot programming and mechanics. In subsequent sessions, participants will learn to program robot turns and use sound and light sensors. The last session will bring everything together in a final “robot challenge”.

The LEGO Robotics program is free and open to the public. Recommended participant age is 10-14 and advanced registration is preferred. Those interested should stop by The Studio at Main Library to register or register on-line at www.lbpl.org.

Located on the lower level of the Main Library, The Studio serves as a community workspace where people can meet, socialize, innovate and collaborate using technology and resources.

GW:ml

Attachment

cc: Tom Modica, Assistant City Manager
Arturo Sanchez, Deputy City Manager
Jyl Marden, Assistant to the City Manager/City Council Liaison
Kerry Gerot, Acting Public Information Officer
Ed Kamlan, Public Affairs Specialist
Department Heads

ROBOTICS

with Shared Science

Join us for 4 weeks of
LEGO ROBOTICS fun!



August 6 2-4 p.m.

Introduction to LEGO

Mindstorms Robots: What is a Robot and what can it do? • An introduction to the LEGO Mindstorms robot and programming software.



August 13 2-4 p.m.

Programming Robot Turns •

Learn to measure and calculate degrees of rotation to move a robot around an area using swing turns and point turns.



August 20 2-4 p.m.

Using Robot Sensors: Clap On,

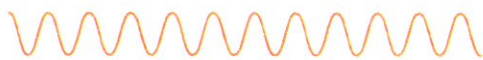
Clap Off • An introduction to sensors. We'll start with the sound sensor and, time permitting, move on to light sensors.



August 27 2-4 p.m.

Robot Challenges • Today we'll

use everything we've learned to put it all together in a fun, follow-the-guidelines activity!



The Studio at the Main Library



101 Pacific Ave., Long Beach, CA 90822

(562) 570-7500 • www.lbpl.org

This information is available in an alternate format by request to Main Library @ (562) 570-7500