

ENGINEERING WITH **LEGO** BLOCKS

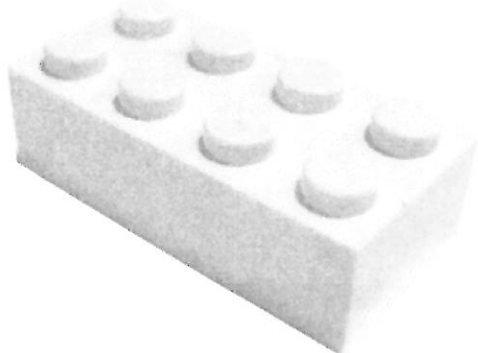
“STRONG STRUCTURES & TALL TOWERS”

class size limited to 25 students

LEGO logo trademark of The LEGO Group, these programs are not authorized, endorsed or sponsored by The LEGO Group

Location: Ladera Elementary School **Room:** Library **Day:** Tuesdays **Time:** 2:50 - 3:50
Cost: \$97 **Dates:** 1/10, 1/17, 1/24, 1/31, 2/7, 2/14, 2/21 **Grades:** 2nd-5th

Brain Builders Educational Programs presents, Engineering with Lego Blocks: “Strong Structures & Tall Towers.” In this fun hands-on class, students will learn the fundamentals of structural engineering and architecture! Using 100’s of blocks, students will face many *engineering* challenges everyday. Students will learn concepts such as *force, joints*, strong shapes, and *engineering fundamentals*. Students will engineer strong structures, towers, and bridges and put them to the test. Using data collected from six weeks of class, students will build their strongest structure and put it to the strength test! *Some challenges include the air cannon and bridge crusher test.*



Engineering is more than just science!

It involves:

- 1 - Identifying the task and setting a goal.
- 2 - Planning how to achieve your goal by using math, science, and logic.
- 3 - Building what you planned to achieve your goal!

“Scientists discover the world that exists; engineers create the world that never was.”

-Theodore Von Karman, Aerospace Engineer.

To Enroll Your Student:

1. fill out & sign permission slip/liability form below
2. make checks payable to Brain Builders Educational Programs
3. return signed permission slip & payment to the Ladera Office

BRAIN BUILDERS
 Educational Programs
“Building Bigger Brains Since 2002”
www.BrainBuildersEd.org
 714-360-1101
 Info@BrainBuildersEd.org

I give my child permission to attend Engineering with Lego Blocks at Ladera Elementary School (LES)
 I release Brain Builders, LES and Tustin Unified School District of any liability associated with participation in this class.

Student: _____ **Grade:** _____ **Teacher:** _____

Address: _____ **City:** _____ **Zip:** _____

Home Phone: _____ **Work Phone:** _____

Alternate Contact/Phone: _____

Email Address: _____ **Check #:** _____ \$ _____

Parent signature: _____ **Parent Name:** _____