

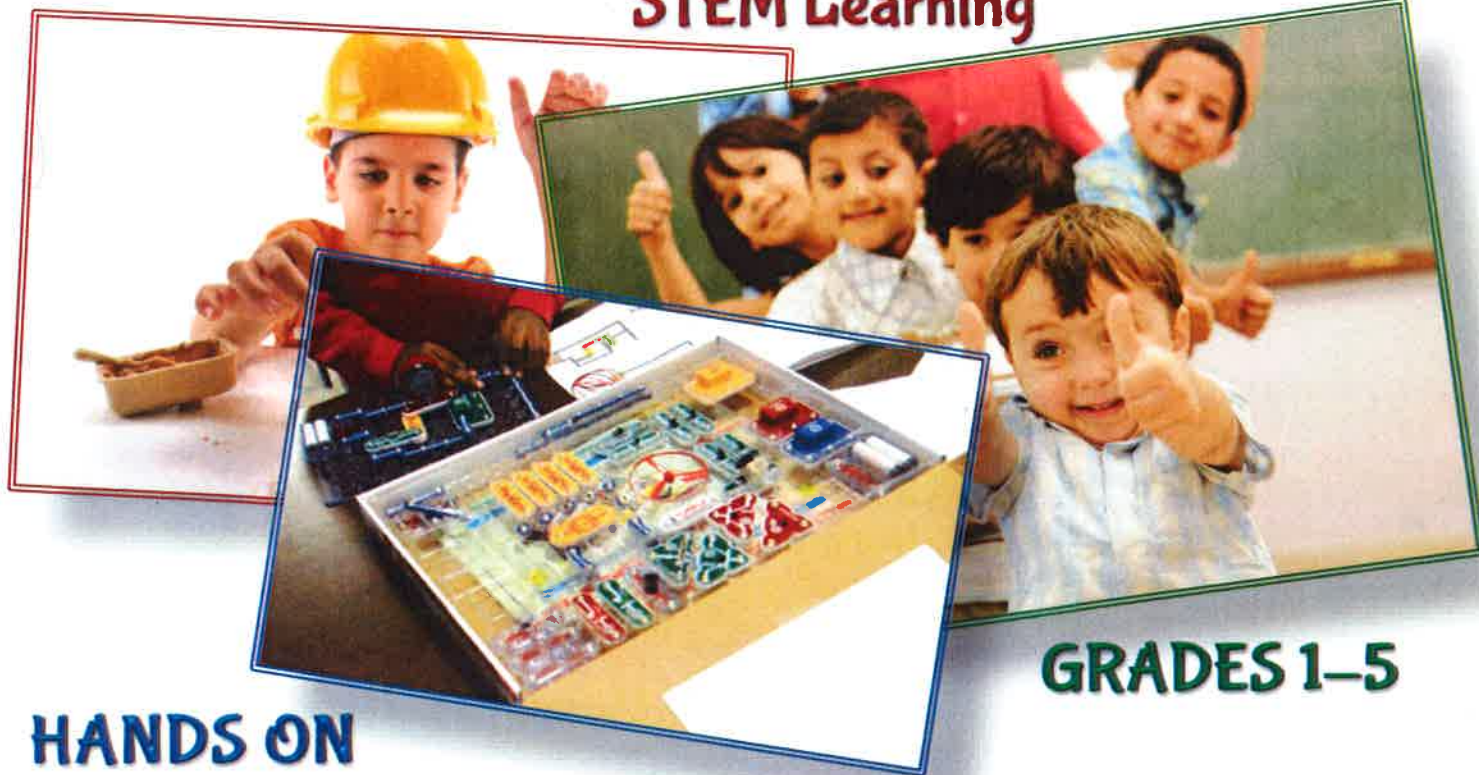
Let's Build It Engineering!

Winter 2017



C L Smith Elementary School

STEM Learning



GRADES 1-5

HANDS ON

Let's Build It - Chain Reaction in Action! The ball rolls down the ramp, turns the switch, that moves the post, that activates the zip-line, that knocks the ball down the ramp and into the goal! In this STEAM program, students will be building Rube Goldberg "Mouse Trap" chain-reaction machines featuring levers, pulleys, and other simple machines. Engineering and physics concepts will be introduced and reinforced through hands-on, innovative lessons and creative play time. Problem solving skills and teamwork will be put to the test as the complexity of the projects increases from week to week. On the final class, there will be a building competition - How many contraptions can you connect in chain reaction? No previous experience is necessary, just a desire to learn and build. Each student will receive an award on the last day of the session, and have the opportunity to earn Energy Belts to demonstrate their learned skills!

**Course Time: Wednesdays, January 25th - March 1st, 2:55 PM - 3:55 PM
(6 Classes)**

To sign up, please visit <http://payment.learningmeansfun.com/signup>.

You will need to enter the class code **OBL1.25.17** in order to register. Please register by 1/11 for the early bird price of \$96.00.

If you have difficulty registering, please contact Afterschool Enrichment Solutions at 847-482-9999 or info@learningmeansfun.com
No refunds will be made, unless there is insufficient enrollment. No make-ups will be scheduled for inclement weather or circumstances beyond our control. It's the parents' responsibility to remind the children about the classes.

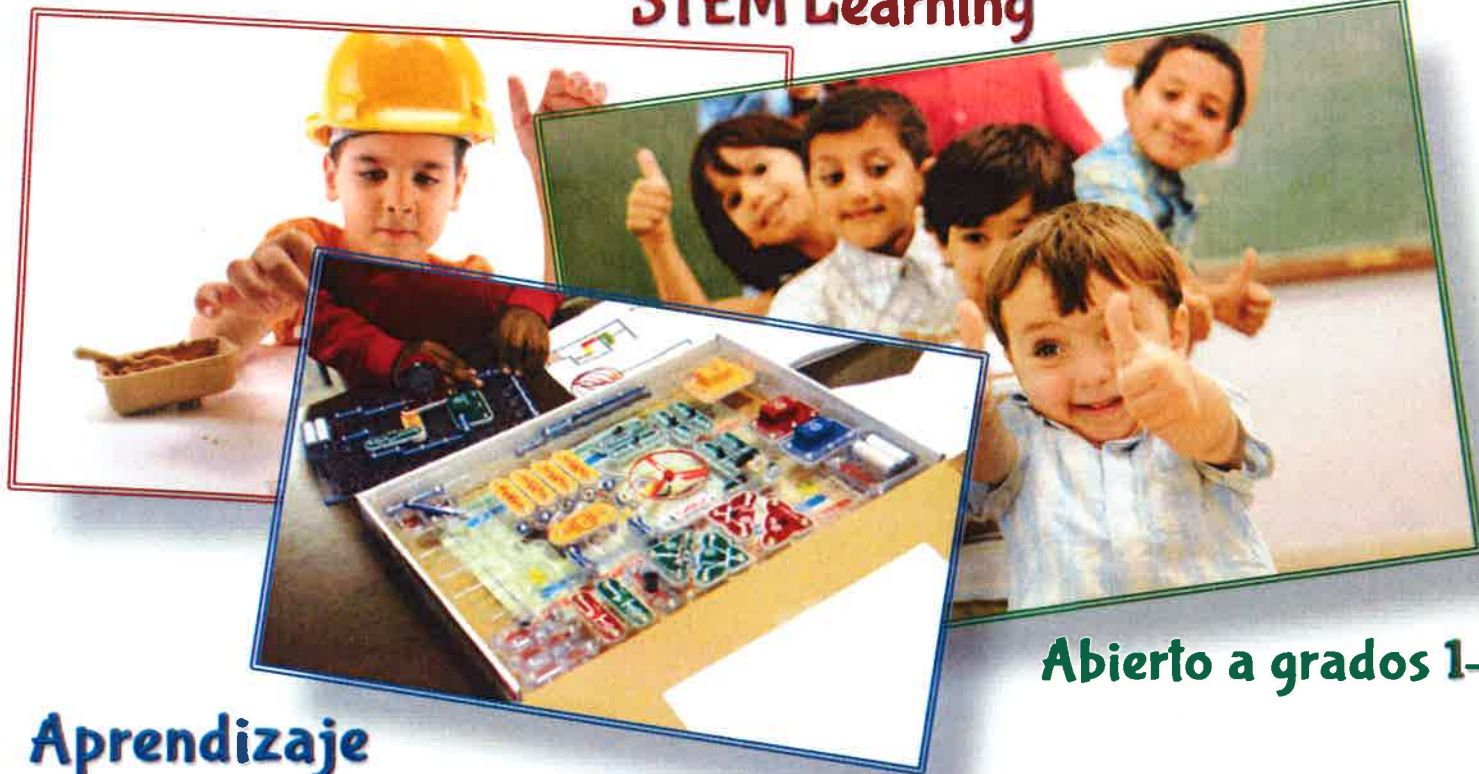
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Abierto a grados 1-4

Aprendizaje

¡Construyamos! ¡Reacción en Cadena en Acción! La pelota cae hacia la rampa, enciende el interruptor que hace que se mueva el poste, el cual activa la tirolina que hace que la pelota baje por la rampa y entre en la meta. En este programa STEAM, los alumnos y las alumnas construirán las máquinas de reacción en cadena, las lanzaderas, poleas, y otras máquinas sencillas inspiradas en el juego "Mouse Trap" de RubeGoldberg. Enseñaremos y reforzaremos conceptos físicos y de ingeniería a través de lecciones prácticas y juegos creativos. Cada semana la complejidad de los proyectos aumentará así que los alumnos y las alumnas pondrán en práctica sus habilidades para resolver problemas y para trabajar en equipo. El último día de clases habrá una competencia de construcción: ¿Cuántos artefactos puedes conectar entre sí en una reacción en cadena? **No es necesario tener experiencia previa**, sólo el deseo de aprender y construir. Cada alumno y cada alumna recibirá un reconocimiento el último día de clases, y también tendrá la oportunidad de ganar **Cinturones de Energía** para demostrar cuántas habilidades ha aprendido.

Tiempo de clases: miércoles, enero 25th - marzo 1st, 2:55 PM - 3:55 PM
(6 classes)

Para inscribirse en el club, por favor visite <http://payment.learningmeansfun.com/signup>.

Usted tendrá que entrar en el **OBL1.25.17** código de clase con el fin de registrar. Por favor regístrese en 1/11 el precio de preventa de \$96.00.

Si tiene dificultades para registrarse, por favor póngase en contacto con Afterschool Enrichment Solutions en 847-482-9999 o info@learningmeansfun.com

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