



# *Legoland* *A Robotic* *Experience*

## **Description:**

*K-3 Students!* Enjoy the “We Do” Robotics class! Introduce young students to robotics! Build LEGO animals or machines with motors and sensors. Use e-zicon-based software and on-screen interaction to make models move. Develop STEM skills with project based learning!

*4-6 Students!* Get ready for “Mission to Mars”! Learn background information about Mars exploration and objectives of Mars missions.

- Plan a strategy to accomplish a robotic mission.
- Program a robot to perform retrieval tasks.
- Learn to use light and touch sensors.
- Relate hands-on learning activities to the experience of LEGOLAND attractions.

\*Stay and enjoy the park after the class\*

## **When:**

Friday, November 20, 2009

Check in at 9:30 AM, field Trip begins at 10:00

***We must all enter together as a group***

## **Where:**

LEGOLAND – Group Sales Window

Carlsbad, CA

(760) 918-LEGO

## **Who:**

This field trip is set up for students in grades K-6, but is appropriate for all students.

## **Cost:**

\$8.00 for each GSDA student

\$22.00 for each adult and sibling

## **Resources Available:**

[http://www.legoland.com/NR/rdonlyres/C188589A-9EE0-4B51-BAA6-62111A758DA5/0/mission\\_mars.pdf](http://www.legoland.com/NR/rdonlyres/C188589A-9EE0-4B51-BAA6-62111A758DA5/0/mission_mars.pdf)

<http://www.emints.org/ethemes/resources/S00000675.shtml>

<http://www.crayola.com/lesson-plans/detail/recycle-robot-lesson-plan/>

For questions, contact Nicole Schoolsky at 619-424-4102

Attending Consultant: Dave Nuoffer and Jennifer Glatt

***Send your field trip request form with payment to your resource center by  
November 4, 2009***