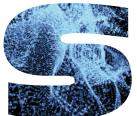
# The Orange Public Library Foundation presents











science • technology • engineering • art • math

# for teens & tweens

Sponsored by the Rotary Club of Orange

## September 21 through January 11 Saturdays at 3 pm - 4:30 pm

at the Orange Public Library & History Center Community Room 407 E. Chapman Ave., Orange, CA 92866

## September 21

**Robotics Roundup** 

How are robots designed, built and programmed? Find out from our competition robotics team!

Presented by BSA Venturing Crew 1701/ FRC Robotics Team 4322

## October 19

Tales of Toys

Ever want to learn how toys are made? Take a peek into the process that goes behind creating some of your favorite stuffed animal friends.

> Presented by Evan Troutt Professional Toymaker

## **November 16**

**Explore 50 million year old** plant-bacteria friendships!

**Today's bioengineering techniques** unlock the mysteries.

> Presented by Hagop Atamian Chapman University

## **December 7**

**Ripping Rollercoasters** 

**Curious about how rollercoasters** are created? Mix up some metal and gravity and you are on your way.

> Presented by Vince Anderson Former Disney Designer

#### **January 11**

Food Fraud 101:

What's on your plate?

**Explore the ways in which criminals** tamper with our food through hands-on activities and case studies.

> Presented by Rosalee Hellberg Chapman University



City of Orange

Public Library Foundation n n n n n

Enter to win a laptop and printer or two 1-Day Disney Park Hopper passes each time you attend a STEAM hands on workshop.

Drawing to be held January 11, 2020

**Grades 6-12 Register Now!** 

Call the Welcome Desk - 714-288-2418 or 714-288-2470