



**FREMONT BRANCH
MOTHER/DAUGHTER STEM DISCOVERY DAY
for 5th and 6th Graders
Saturday, Nov 4, 2017**



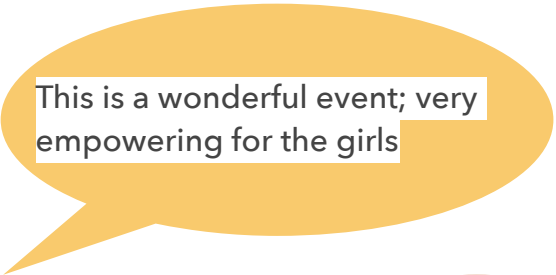
The STEM Pipeline: Tech Trek alumni and High School STEM Club presenters and assistants at STEM Discovery Day for 5th and 6th Graders



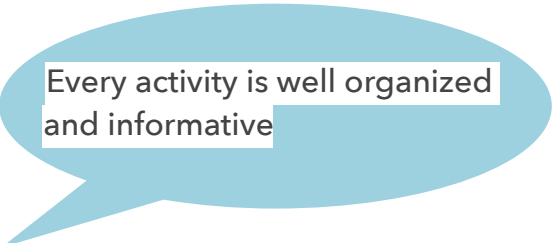
Discovering STEM Outshines the Rain

The welcome rains on Saturday Nov 4, 2017 did not dampen the spirits and enthusiasm of eighty, 5th and 6th Grade girls and their mothers or adult role models as they gathered at Hopkins Junior High School in Fremont for a morning of fun with hands-on Science, Technology, Engineering and Math (STEM) activities. We hosted our thirty-seventh STEM Discovery Day, now a part of our STEM Education program that strives to build a STEM pipeline of girls from 3rd grade through high school. In addition to a visit to the Planetarium, the girls had the choice of attending four of the eight other activities offered covering various areas of STEM including binary coding, 3D printing, forensics, physics and engineering design. The activities were led by women engineers, teachers, community experts, high school STEM clubs and our own Tech Trek alumni, assisted by junior high and high school girls who share a passion for STEM—hence a STEM pipeline where the older girls/women are role models for the younger girls coming up the pipeline.

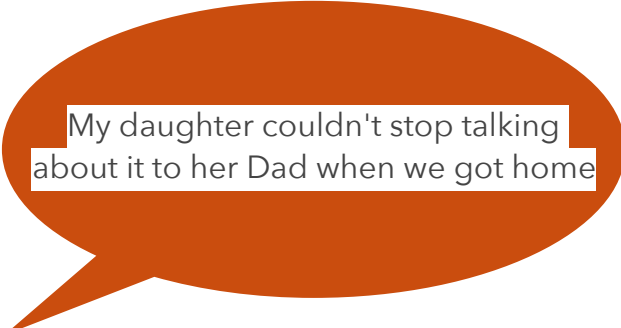
What they said.....




This is a wonderful event; very empowering for the girls



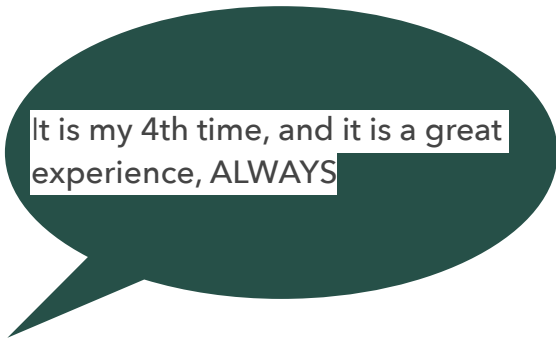
Every activity is well organized and informative



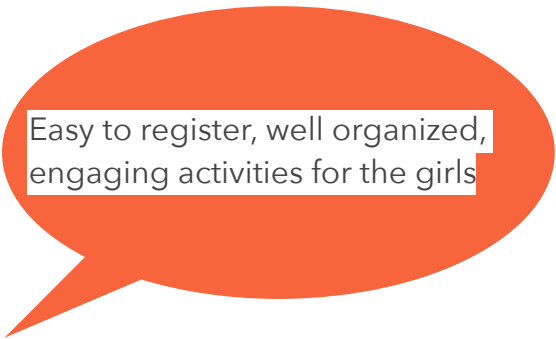
My daughter couldn't stop talking about it to her Dad when we got home



This is an excellent program; my daughter loved the hands-on experiments



It is my 4th time, and it is a great experience, ALWAYS



Easy to register, well organized, engaging activities for the girls



Irvington High School Girls' STEM Club presented Volcano in a Bottle



Use your fingers to count in Binary



***Mission San Jose High School
3D Club: Think 3D for 3D printing***



***Civil Engineering: Build the
Tallest Tower***