



## Math for Service

Incubating, Mentoring, and Sustaining Student-Run Community Service Projects

### Greetings!

One of the events we are looking forward to most each year is the Math for Service Open House. Thank you for being a part of not only this success, but also the events, classes and programs you have contributed to during the past school year. We are thrilled to continue seeing you around!

Summer 2018 marks exciting new initiatives for Math for Service. Here are some projects in the works:

- At the Open House, Dr. James Li, the Executive Director of MFS, announced math for Service in will be renamed to "STEAM for All" to broaden our message of pursuit to connect the community to STEAM (science, technology, engineering, art, and mathematics). Stay tuned for more information in our next newsletter!
- The Math for Service leadership team is currently composing a new activity book

featuring various activities we have created throughout the years in STEAM. More information can be found in our next newsletter.

- Finally, the Math for Service Student Council will host two Youth Leadership training sessions which is required for all prospective volunteers to attend. Participants will learn about a variety of leadership skills. For specifics about the sessions, read on to learn more.

Have a great summer!

Sincerely,  
Cynthia Qi  
Editor-in-Chief, 2017-2018  
Aliso Niguel High School, Class of 2021  
Math for Service Student Council



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## June 2018 Newsletter

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### Becoming a Leader at Math for Service

#### Summer Youth Leadership Program for Grades 8-11

Do you want to give back to your community but don't know where to begin? Learn about opportunities and build your leadership skills by attending one of the following Youth Leadership Programs this summer hosted by Math for Service Student Council. There are two sessions offered in Summer 2018:

##### Session 1

- **Date:** 4 Saturdays (6/23, 6/30, 7/7, 7/14)
- **Time:** 10 AM-12 PM
- **Location:** Ardent Northwood (820 Roosevelt, Irvine, CA 92620)



##### Session 2

- **Date:** 4 Saturdays (7/21, 7/28, 8/4, 8/11)
- **Time:** 10 AM-12 PM
- **Location:** Ardent Northwood (820 Roosevelt, Irvine, CA 92620)

Potential volunteers are required to complete a session of our Youth Leadership Program to be considered as an active member. Upon completion, students will be matched to MfS community service programs. If you have further questions, email [info@mathforservice.org](mailto:info@mathforservice.org). Click [here](#) to sign up.

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### OC Scholar Board Positions Still Open!

For all high school students -- positions on the OC Scholar Board of Executives are still open!



OC Scholar is a student-run, non-profit organization under STEAM for All (formerly Math for Service) that works to serve as a unified source for academic news across Orange County by featuring the achievements of academic teams

and individual students of all grades. OC Scholars publish an online newspaper featuring STEAM (science, technology, engineering, arts, and mathematics) related events and news, as well as host classes to teach younger students the skills necessary to become a successful journalist.

Experience in reporting is not required, only an enthusiastic attitude and an interest in writing and STEAM based subjects. Board members will be able to earn community service hours, and will have responsibilities including attending and reporting on events within Orange County as well as assisting in the organization of other events such as journalism classes. Anyone in grades 9 through 12 may apply for a variety of positions such as editor, reporter, photographer, head of marketing and more.

If you are interested in applying for such a leadership position or have any questions, please contact OC Scholar President Alexander Kvitsinski at [sasha.kvitsin@gmail.com](mailto:sasha.kvitsin@gmail.com).

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## Thank You Friends of Math for Service!

Math for Service would like to acknowledge Friends of Math for Service, a voluntary group of parents, educators, professionals, philanthropists, and alumni who collaborate to mentor and support student-run service projects of Math for Service. They deserve the loudest applause.

### Math for Service:

Dr. James Li                      Mrs. Wendy Li

### OC Math Circle:

Mrs. Sera Chae	Ms. Chi-Fen Chen	Ms. Tao Chen	Mrs. Alice Cui
Mr. Diaz	Mr. Gutierrez	Ms. Vidya Haran	Mrs. Yu Hong
Mrs. Sunhee Kim	Mrs. Barbara Kurdziel	Mr. Andrei Kvitsinski	Mr. Li
Nobou Liu	Mrs. Lorraine Lujan	Mrs. Irina Popa	Mr. Alejandro Reyes
Mr. David Rhodes	Mrs. Joyce Sun	Mrs. Anita Sweeney	Mrs. Nita Walker

### OC Science:

Mrs. Lirong Chao	Mrs. Cheryl Chen	Mrs. Hideh Hassani	Mrs. SK Kim
Mrs. Ling Xu	Ms. Joy (Bezaworks)		

### OC Coder:

Mr. Koosha Azartash    Ms. Katherine Shaw

### OC Engineer:

Mrs. Jing Chen

### OC Arts:

Mrs. Jin Cho	Mr. Phillip Cho	Mrs. Sara Choi	Mrs. Rachel Kim
Mrs. Julie Ok	Mrs. Tresia Olminkhof	Mrs. Bhavna Patel	

### OC Launch:

Ms. Cindy Li

### All Girls Math:

Mrs. Kris Brown	Mrs. Cheryl Cragun	Mrs. Elizabeth O'Shea	Ms. Jill Schindele
Ms. Helen Vollero	Mrs. Xiaoping Wang	Mrs. Betty Yee	Mr. Tim Yee

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## Congratulations Class of 2018 Seniors!

Each year, Math for Service traditionally holds a senior sendoff at the Open House. Some students have been with Math for Service for one year, some seven years, and all have made an unforgettable impact on Math for Service and the whole community.

Thanks once again to all our seniors. We wish you the best of luck, wherever you go!

Sriram Balachandran - UCLA

Shiyuan Guo - UC Berkeley

Nathan Kim - MIT

Lindsey Le - UC Irvine

Jessica Lee - MIT

Lucy Liu - UC Berkeley

Annebelle Olminkhof - EUT (Netherlands)

Nitya Parthasarathy - MIT

Kimberly Shi - UCLA

Matthew Tang - UC Berkeley

Michelle Xu - Stanford

Harrison Zhang - Arizona State University

Claire Choi - Cornell

Michelle Kim - Columbia

Linghao Kong - Columbia

Isabelle Lee - Stanford

Neah Lekan - University of Virginia

Kate Ok - Brown

Jennifer Pan - MIT

Neal Sharma - UC San Diego

Austin Sun - UC Berkeley

Michael Wu - Harvard

Sherry Xu - Yale



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## Thank You Volunteers for Your Dedication!

Each year, Math for Service celebrates our volunteers by presenting their [President's Volunteer Service Awards](#) at the annual Open House Awards Ceremony.

Thank you all for your dedication and we are excited to see you around next year!



### Gold Medal Recipients:

Advait Arumugam

Dhruba Basu

Makayla Brown

Rishi Desai

Shiyuan(Jeff) Guo

Binhan(Pete) Hua

Pranav Kanchi

Alex Kwon

Eric Lee

Daniel Ryu

Jenna Schindele

Hana Strauss

Miya Strauss

Brianna Tang

Parth Thakur

Nyle Wong

Michael Wu

Sherry Xu

Natalie Yee

Jason Yu

Audrey Zhang

Amy Zhong

### Silver Medal Recipients:

Elaine Chao

Catherine Cui

Jacob Gibbs

Alexander Kvitsinski

Mingzhen(Cynthia) Qi

Anivrit Subramaniam

Michelle Xu

Maggie Zhang

Wenhui Zhang

### Bronze Medal Recipients:

Sriram Balachandran

Soham Bose

Ivy Cao

Amirtha Chandrasekaran

Angela Choi

William Hsieh

Aamina Khaleel

Samiksha Komatireddy

Aditya Krishnamoorthy

Patrick Liu

Pranav Moudgalya

Micaela Roth

Congratulations to the 2017-2018 PVSA Award Recipients!



## Monthly Recap

Read About Past Exciting Events of MfS

### Math for Service Hosted Annual Open House

With the smell of fresh popcorn in the air and music radiating from a jazz band, Orange County students and parents gathered at the annual Math for Service Open House on Sunday, May 20, 2018, at Sage Hill School.



The nine different student-run ventures under MfS -- OC Math Circle, OC Scholar, OC Coder, OC Science, OC Arts, OC Engineer, OC Hacker, OC Launch and All Girls Math -- set up booths for activities and prospective volunteer sign-ups.

"I came to this Open House because I heard from my friend that it's really fun and gives you a chance to volunteer," Beckman High School freshman Nour Siwar said. "My favorite part of this Open House is roaming around and meeting new people. I'm interested in joining the All Girls Math Tournament because I want to grow my passion for math."

The open house included an indoor presentation of each organization led by the Presidents, a College Panel, a ceremony for the President's Volunteer Service Award (PVSA) recipients and a Senior Sendoff. Dr. James Li, adult supervisor of MfS, also announced the new name for Math for Service: STEAM for All.

To learn more about Math for Service events and volunteering opportunities, visit [mathforservice.org](http://mathforservice.org).

[Read More](#)

### Elementary School Math Club: A Year of Change

Another year of service to the youth of Orange County has flown by for the Elementary School Math Club!

In all, the Elementary School Math Club hosted nine classes covering a range of topics, including analyzing data and geometry! The organization served over two hundred students.



Thank you to the team of around 20 high school volunteers who taught the lessons to the elementary schoolers. During each class, they engaged the students with interactive lessons and fun math games to teach slightly more advanced topics than the students were used to encountering in their school classrooms. But what made this year so unique is that Elementary School Math Club really focused on personalizing their lessons, in which volunteers spent more time working with students one-on-one. This enabled them to not

only get more challenging topics across to the elementary school students, but to make a lasting and special impact.

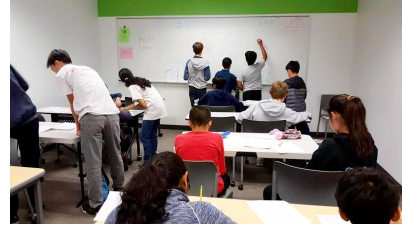
The Elementary School Math Club look forward to this new change as a positive direction to foster the growth of the students and their renewed commitment to the community!

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## Middle School Math Club: A Year of Growth

In this school year, Middle School Math Club continuously provides service in mathematical fields to the middle school students throughout the community.

In September, the club kicked off its first lesson by hosting two associates from the Black Emotional and Mental Health Collective (BEAM), a nationally recognized organization focused on teaching underserved communities. This special occasion presented an opportunity for MSMC and BEAM to exchange ideas on how to reach out to and serve



underprivileged underserved students and possibly collaborate in improving learning curricula. As in the past years, MSMC was fortunate to attract a great number of dedicated and well-trained volunteers to teach the classes. In order to better engage young participants, volunteers formed small group discussions and encouraged team competitions while introducing new math concepts. The attendance of many participants at almost every single lesson demonstrated their approval of MSMC's teachers and the quality of the classes.

Nyle Wong and Neil Sharma, Co-Directors of Middle School Math Club, would like to thank everyone who volunteered or participated at MSMC's classes in the past year and look forward to another great year!

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## Girls Who Code: A Year of Inspiration

The mission of the Girls Who Code club is to encourage and empower girls in the field of technology.

This year, UC Irvine students Koosha Azartash, a graduate pursuing an M.S. in Computer Science, and Vicky Thrasher, an undergraduate pursuing a B.S. in Computer Science, were kind enough to dedicate their time to teach over 20 girls in grades 6-9. Throughout the course of 20 weeks, the girls learned how to code in Python. They worked on a number of projects including a calculator, animal classes, and a recreation of the video game Wumpus World.



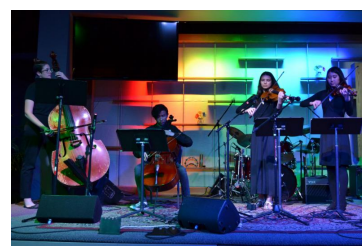
Co-Director Hana Stauss, a sophomore at Sage Hill School, said, "Learning how to code for was a transformative experience for me, an experience I wanted other girls to have."

Especially in a world where the gender gap in computing is only increasing, exposing girls to computer science at a young age is imperative. The girls in the club walked out of the class with a new superhero skill: Python. A skill they can use to help make the world a better place, one line of code at a time.

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## OC Arts: A Year of Developments

In 2017-2018, OC Art's primary vision was to improve past events and offer new ones, in addition to revamping their website.



In September, the first event was the Creative Minds Workshop, a collaboration with OC Scholar, where students in grades 3-5 learned about the importance of perspective and creativity in art. Throughout the year, they continued to organize and host Senior Center performances.

In August, OC Arts participated in STEAM in the Park, inviting younger children to draw images onto a mural board and to participate in face painting. OC Arts introduced a monthly art competition where children from all age groups could respond to that month's topic. And as a finale last month, OC Arts conducted its annual benefit concert, entitled "The Pursuit of Artfulness." Through this event, OC Arts donated \$1000 to Orangewood to help fund their arts teaching program.



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[Learn more  
about us!](#)

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Stay Connected



PO Box 5671, Irvine, CA 92616-5671  
[mathforservice.org](http://mathforservice.org)