The GASSSS Matchmaker provides a mechanism to match GA employees who want to help provide science expertise and materials with educators requesting assistance in Science, Technology, Engineering, and Mathematics (STEM) related areas.

See also: http://www.sci-ed.ga.org/science-education-outreach-opportunities

If a GA employee wants to have their name entered in the table below, they should send an email to Larry Woolf (Lawrence.Woolf@ga-asi.com) briefly describing their expertise and what they would be interested in doing in a classroom using the format shown in the table below. This will be posted on this web site in the table below.

Educators should send an email to Larry Woolf (Lawrence.Woolf@ga-asi.com) including their name, school or affiliation, grade level, email address, and type of activity or material that would be of interest. This will be posted on this web site in the format shown below.

Please note that the Employee list on the left and the Educator list on the right are independent of each other.

An example of a posting is shown in the first line. If a GA scientist finds a match in the table below, they should contact the teacher directly. If a teacher finds a match in the table below, they should contact Larry Woolf (Lawrence.Woolf@ga-asi.com), who will put the parties in contact with each other.

<table>
<thead>
<tr>
<th>GA Employees Willing to Participate in GASSSS</th>
<th>Educators Wanting a GA Employee</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
<td><strong>Name/Grade/School/ email</strong></td>
</tr>
<tr>
<td>Amy Engineer</td>
<td>Joe Teacher, 6th grade school, San Diego middle school, <a href="mailto:JTeach@sdms.edu">JTeach@sdms.edu</a></td>
</tr>
</tbody>
</table>
| Mike Cleary                                  | Michelle Martinez, Team Coordinator CyberDragons teams 9887 & 20799 CyberDragonsJAMS@gmail.com Website https://jamsscience.cnmag.net.org/cyberdragonsrobotics | This parent led, public middle school robotics team (sub-divided into two) is seeking the following:  
  • Mentor(s) to help with robot design, coding, and fundraising  
  • Financial contributions  
  • In-kind donations  
  We have a budget and a list of potential in-kind donations, happy to share. Thank you! |
| William Tussey                               | Charlie Jenkins, Captain, Clairemonster Robotics clairemonsterrobotics@gmail.com http://clairemonsterrobotics.com/ | They are a team dedicated to enable students to pursue their passions in designing, building, programming, and marketing. In order to expand their program, they need more mentors. They would like a General Atomics employee to meet with their team and support them in our goal to improve STEM education in their community |
| Kelsey Hite                                  | Patty Hurt, Assistant Principal, Poway Unified School District. PHurtt@powayusd.com | High school physics teacher is looking for support working with the students on the Green UP and Go: The Physics of Clean Engineering curriculum: http://ucci.ucop.edu/Integrated-courses/Green%20Up%20and%20Go%20Physic%20%20Clean%20Engineering_AUG16.pdf |

I have a bachelor’s and a nearly-completed master’s in aerospace engineering as well as Dadre Marie Rudolph, Robotics Instructor, Be a part of my program Advisory Board - one meeting a year, an evening in the
2 years of experience in structural design, materials research, and manufacturing engineering. I have special interest and experience working with groups of girls, lower-income schools, and special education programs. My experience consists of coaching and mentoring robotics teams of all ages, giving engineering presentations to elementary and middle school classrooms, substitute teaching in special education schools, and writing education materials about engineering and soft skills. I would love to present to and engage with classrooms or help write lesson plans/activities.

Rancho Buena Vista High School
1601 Longhorn Dr.
Vista, Ca 92081
https://sites.google.com/a/vistausd.org/rbv-robotics/home
760-727-7284 x 72343
dadrerudolph@vistausd.org

Spring where 3-4 professionals advise on the direction of my program
- I love speakers to talk about what they do, what their job looks like from day to day and what they like about it, and I need more women and Hispanic speakers
- My students love drones, so anything do to with them
- Mentors, parts, financial support for my Rookie FIRST Robotics team, which is girl led.

Vidya Rangaswamy
I am an electrical engineer and systems engineering manager for commercial projects. I am interested in sharing my experience and giving brief presentations on my projects to kindle and motivate middle and high school students on engineering applications.

Name: Joyce Toledo
School/ Affiliation: Palisades Elementary School (Capistrano Unified School District)
Grade level: K-5
Email: jatoledo@capousd.org

I am hoping to get connected to engineers (systems, mechanical, software, computer, etc) who can provide age appropriate interactive STEM lessons and/or activities for K-5 students during the 2016-2017 school year (beginning Aug. 15, 2016 ending June 1, 2017). As a way to bring back science onto our school site, I was wondering if one (or more) volunteer engineers would want to provide STEM lessons (in the classroom or as a larger assembly) and activities to our students.

Lauren Bohn
I am a software engineer with a background in nuclear engineering which I obtained through my 8 years of active duty Naval service. I am now a member of the Navy Reserves and I am interested in discussing programming, nuclear, process improvement, and topics related to military engineering career paths, scholarships, etc. I enjoy working with elementary school children and I would be comfortable assisting with labs/projects, particularly involving electronics and/or programming. I hold a bachelor’s degree in nuclear engineering technology and I am almost finished with my master’s in engineering management.

Minnie Cho
Wood Canyon Elementary School (Capistrano Unified School District)
Grade level: K-5
micho@capousd.org

Our school is re-imagining ourselves for next school year as a technology focused school. I am looking for engineers (systems, mechanical, software, etc.) that would be able to do hands-on activities or lessons in the classroom for our students grades K-5. We are very open and flexible on time and type of lessons.

Robert Abbott
I will discuss the principles of paint coatings from an applications perspective, demonstrating painting techniques Talks will focus in part on the chemical components of paint; will demonstrate the measuring devices used in weighing (gram scales), determining color (colorimeter), opacity (Leneta card) thickness of wet material (using wet test card) and dry film coatings (using micrometers), viscosity (using Zahn cup and stop watch), as well as highlight the use of applicators, such as paint guns. Finally, discuss the career opportunities in the field of coatings with special reference to applications in the aerospace and automotive industries.

Tanya Long
Literacy First Charter Schools Junior Academy
tanya.long@lfcsinc.org
1012 E. BRADLEY AVENUE, EL CAJON, CA 92021

I’m looking a mentor for our brand new FIRST LEGO league robotics team which starts fall 2016. The after school club is for 32 students grades 6-8 that will form three FLL teams. This is my first experience with robotics. I would like a mentor in the industry to help with coaching, mentoring and/or fundraising.
<table>
<thead>
<tr>
<th>Name</th>
<th>Role/Experience</th>
<th>Contact Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marcella Sosa</td>
<td>Quality Engineer, ASQ CQE with a B.S. in Mechanical Engineering. I’d like to talk to students about being a female in an engineering field, college, and a typical day as an engineer. I’ve worked in the utilities, food, gaming, and defense industries as an intern, Manufacturing Engineer, and Quality Engineer. I also have experience in mentoring and helping build for FIRST Robotics and Lego League teams.</td>
<td><a href="mailto:MarcellaSosa@team3647.com">MarcellaSosa@team3647.com</a></td>
<td>We would love to have mentors for our FRC Robotics team. We need business mentors so we can be successful in raising money for our team as well as engineering mentors so we can successfully build a robot.</td>
</tr>
<tr>
<td>Achi Mishra</td>
<td>Junior at Torrey Pines High School, <a href="mailto:AchiMishra@team3647.com">AchiMishra@team3647.com</a></td>
<td><a href="mailto:AchiMishra@team3647.com">AchiMishra@team3647.com</a></td>
<td>We would love to have mentors for our FRC Robotics team. We need business mentors so we can be successful in raising money for our team as well as engineering mentors so we can successfully build a robot.</td>
</tr>
<tr>
<td>Rochelle Mothokakobo</td>
<td>Student Initiative Ocean Discovery Institute</td>
<td><a href="mailto:rmothokakobo@OceanDi.org">rmothokakobo@OceanDi.org</a></td>
<td>Each year Ocean Discovery Institute hosts over 800 5th grade students at our lab in Pacific Beach. Guest speakers talk with students for 15 minutes about their path to career and then work with the students on a more personal level in small pre-designed group activities.</td>
</tr>
<tr>
<td>Jonathan Eng</td>
<td>I have nine years of program finance experience and understand cost and schedule management and can help with the business side of projects and help collaborate with people from any of the engineering teams to help with content. I can help mentor students as I have experience tutoring high school students and would love to interact with them and can discuss opportunities in program finance and the support that is given to tech projects.</td>
<td><a href="mailto:JonathanEng@team3647.com">JonathanEng@team3647.com</a></td>
<td>I run a club at Torrey Pines High School, called Careers in Science, where we bring in professionals who have careers in science and related fields to talk to students during lunch. I was wondering if there was any way that I could have a guest speaker to come to and speak for thirty minutes or so.</td>
</tr>
<tr>
<td>Matt Paddock</td>
<td>President of Careers in Science club at Torrey Pines High School</td>
<td><a href="mailto:mpaddock12@yahoo.com">mpaddock12@yahoo.com</a></td>
<td>I run a club at Torrey Pines High School, called Careers in Science, where we bring in professionals who have careers in science and related fields to talk to students during lunch. I was wondering if there was any way that I could have a guest speaker to come to and speak for thirty minutes or so.</td>
</tr>
<tr>
<td>Elliot Gates</td>
<td>I am on the GATE (Gifted and Talented Education) Committee at Ranch Del Rey Middle School here in Chula Vista CA. We are looking at having various presenters come out to the school starting in January and provide the 7th and 8th Grade GATE Students a Presentation approximately an hour in length.</td>
<td>(619) 822-4950 <a href="mailto:wegates1@cox.net">wegates1@cox.net</a></td>
<td>I am on the GATE (Gifted and Talented Education) Committee at Ranch Del Rey Middle School here in Chula Vista CA. We are looking at having various presenters come out to the school starting in January and provide the 7th and 8th Grade GATE Students a Presentation approximately an hour in length.</td>
</tr>
<tr>
<td>Yashes Srinivasan</td>
<td>President of Rancho Bernardo High School’s FIRST Robotics team number 2658, Team Pedestrian, in San Diego, CA. Your financial contributions, in kind donations and/or mentoring helps pay for the materials and machinery we need to build our robot, the competition registration, and travel expenses.</td>
<td>858-848-4755 <a href="mailto:yashess@gmail.com">yashess@gmail.com</a></td>
<td>Yashes Srinivasan, President of Rancho Bernardo High School’s FIRST Robotics team number 2658, Team Pedestrian, in San Diego, CA. Your financial contributions, in kind donations and/or mentoring helps pay for the materials and machinery we need to build our robot, the competition registration, and travel expenses.</td>
</tr>
</tbody>
</table>
Debbie Griffin
858-484-1180
dgriffin@powayusd.com
Our STEM Engineering program here at Mt. Carmel High School in Rancho Penasquitos is reaching out to San Diego’s top companies looking for guest speakers and or possibly a tour of your facilities. The class time is 1:30-2:30 and hoping to schedule guest speakers on Friday’s. In general topics we are looking for the speakers pathway into engineering, sharing projects and designs.

Jamie Lee
(951) 765-6300
jlee@hemetusd.org
Last year, we had various engineers guest speak last year for our Project Lead the Way pre-engineering program. I was hoping someone from General Atomics or an affiliate would be interested. I know that many companies have specific goals for reaching youth and enticing them to pursue a career in engineering, so I was hoping we could partner in this venture.

Kevin Nghiem
preussrobotics@gmail.com or kevin.nghiem16@gmail.com.
Preuss School, UCSD
858-598-7995
Our FIRST robotics team is actively seeking help in the form of:
- Mentoring from individuals with expertise in business and engineering
- Financial sponsorship
- Product or in-kind donations (mechanical parts)

Gabriel Coats
kingme6199@gmail.com
I am a Junipero Serra high school student in San Diego, and I am currently a part of the Road Trip Nation Project. http://roadtripnation.com/about
I was hoping to be able to have an interview with someone in order to create a video that will influence teenagers in how they will choose their future careers.

Karen Oliver
College & Career Technician
Del Lago Academy – Campus of Applied Science
Grades 9-12 (Escondido Union High School District)
koliver@euhsd.org
All of our Del Lago scholars are challenged to explore real-world problems that extend beyond the classroom by establishing side-by-side working relationships with industry mentors in our robust school-to-college-and-career program. We are always looking for professionals to serve in the following programs:
- Brown Bag Lunch - Informal presentations held each Wednesday where professionals from a variety of workplaces share their educational and career journey with groups of our freshmen and sophomore scholars.
- eMENTOR – Sophomore scholars conduct an informational interview with industry professionals via email. These professionals provide valuable insight into their career journey.
and an authentic audience for our scholars.

- **Junior Internship** – Industry mentors work side-by-side with a scholar for four hours, two days a week during our six-week spring program. Scholars are exposed to real-world applications of their schoolwork and are provided an opportunity to explore a potential future career.

<table>
<thead>
<tr>
<th>Andrea Cascia</th>
<th>AP Computer Science Principles and AP Computer Science A</th>
<th>El Camino High School</th>
<th><a href="mailto:andrea.cascia@oside.us">andrea.cascia@oside.us</a></th>
</tr>
</thead>
</table>

We are interested in having software engineers review our students coding portfolios in late May of 2019. We would also like to engineers to participate in mock interviews with our students.