Resources and ideas to help identify potential mentors

** = Personal comments and insights

Local/National sources of potential mentors
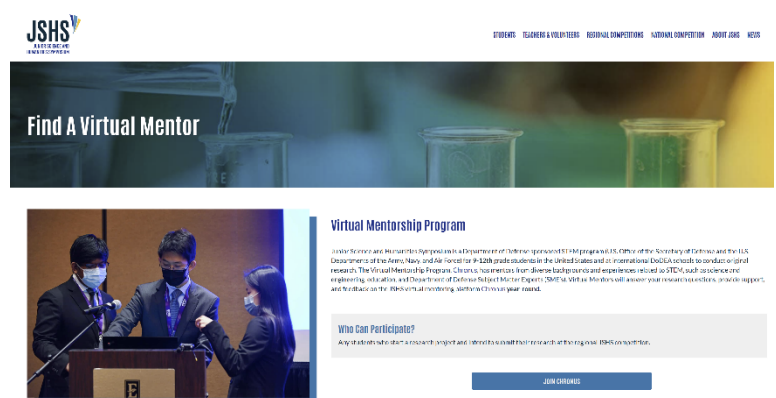
** Once a student has defined an area of interest (but not necessarily a specific project) and has built a strong foundation of knowledge in that area, consider reaching out to a professional from one of the following to help guide the student, casually or directly, with designing and carrying out a project in that area.

- Medical professionals (Doctors, Pharmacists, Nurse Practitioners, Veterinarians).
- Mental health professionals (Psychiatrists, Psychologists, Social Workers).
- Professional engineers (County office, local businesses, construction companies).
- Environmental professionals (U.S. Fish & Wildlife Service, U.S. Forest Service, State Conservation Departments, Department of Environmental Protection, regional Environmental Protection Agency).
- Professional organizations (outreach, sponsors of local or science fair awards).
- University/College Professors (from all departments).
- Teachers.
- Local organizations such as Chamber of Commerce in your town, Elks, Kiwanis, Rotary, Lions, Knights of Columbus (often have numerous retired professionals that may be willing to help).
- Current/Former parents that may be interested in serving as a mentor and/or helping to connect you with people they know.
- Community members or people they know. Consider posting a request in the local Facebook group for your town/city.
- LinkedIn – great for networking to find connections to potential mentors or ideas where to search.

JSHS – Find a Virtual Mentor

https://aeop.chronus.com/p/p1

** May be a great place to start but be sure your students know about the PowerPoint based Junior Science & Humanities (JSHS) competition before they try to connect with someone on the JSHS sponsored "Virtual Mentorship" website.

The JSHS Virtual Mentoring Program facilitates one-to-one mentoring relationships that connect mentees with leaders in the organization to learn and develop. Career mentoring helps you to expand networks, gain new knowledge and insights, and build new skills.
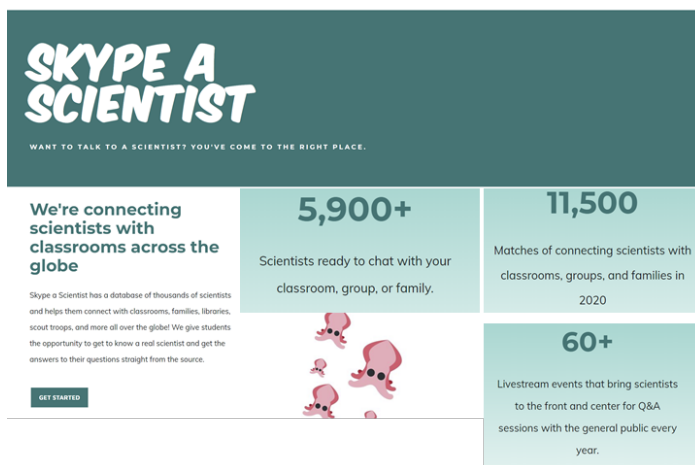
Join us now to start developing personal and professional relationships with others in the organization who can help you learn and grow. Take the first step in furthering your professional development by joining today!

Skype A Scientist

https://www.skypeascientist.com/

*** While this IS a great resource to connect your
students with scientists/engineers and other
life science and physical science professionals,
it is also a great resource for reaching out
to professionals may be willing to serve as a
"mentor".*

*In addition, the scientists listed on this site may
be able to suggest other professionals that they
know that may be willing to help. In all cases, it may
be a great opportunity for you to teach your students about networking.*

National Consortium of Secondary STEM Schools

http://ncsss.org/component/weblinks/category/10-resources-for-students?Itemid=107

The National Consortium of Secondary STEM Schools (NCSSS) was established in 1988 to provide a
forum for specialized secondary schools focused on science, technology, engineering, and
mathematics (STEM) disciplines to exchange information and program ideas.
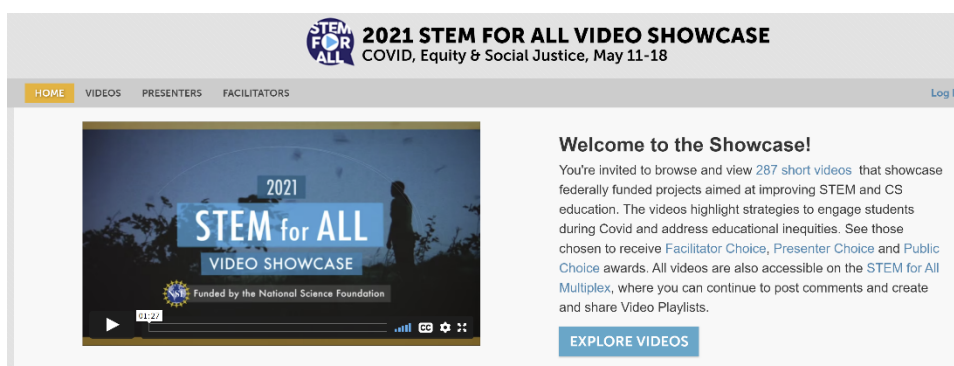
STEM for All Video Showcase

https://stemforall2021.videohall.com/

*** A great resource for students pursuing all areas of research. This may serve to find out the "key" people
research topics of interest to the student(s). While this may not lead to a direct mentor, it may help the
student(s) to solidify their ideas and start to network with professionals in that area to identify local
professionals that can serve as a mentor.*

Welcome to the Showcase!

You're invited to browse and view
287 short videos that showcase
federally funded projects aimed at
improving STEM and CS education.
The videos highlight strategies to
engage students during Covid and
address educational inequities. See
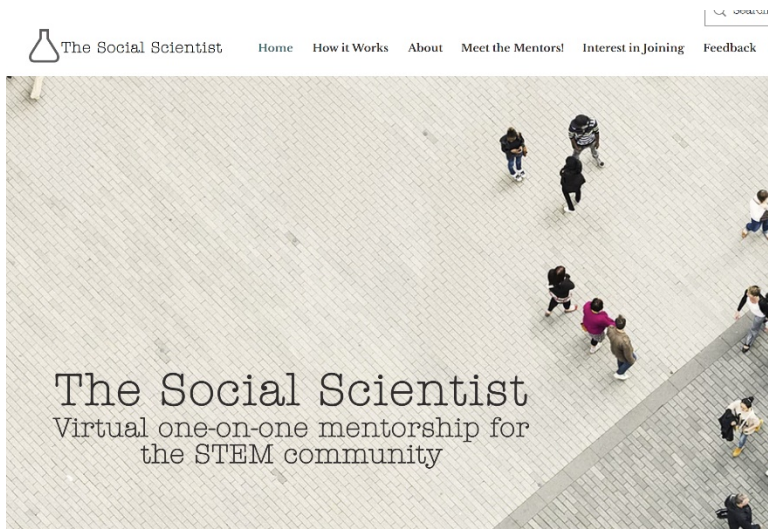those chosen to receive Facilitator Choice, Presenter Choice and Public Choice awards. All videos are also

accessible on the STEM for All Multiplex, where you can continue to post comments and create and share Video Playlists.

The Social Scientist

https://www.thesocialscientist.org

** May be a great resource for mentors related to ALL areas of Science/STEM research including but not limited to Social Science projects (as the name implies).
Since you/your students may be requesting guidance with a more advanced project and/or a longer-term involvement, you may need to contact the potential mentors in advance to make sure that they are willing to work with a student directly.

We are a community of mentors **dedicated** to STEM professional development. We aim to **break down barriers** to support diversity, equity, and inclusion in STEM. With our virtual platform and global mentors, we provide guidance to **facilitate opportunities** in our fields, from students to CEOs.**.**

If you are interested in a specific field, topic, or location, please use the search bar above. When you have found a mentor, you are interested in contacting, send a direct message on their Bio Page. You will be contacted to set up a time for your informal talk (phone/chat platform or email conversation).
Ask the questions that will be beneficial for your interests, including:
Find Mentorship from our STEM Professionals
We provide mentorship and enlist volunteers regardless of race, ethnicity, culture, socioeconomic background and gender identity.

National Alliance on Mental Illness

https://www.nami.org/Your-Journey/Individuals-with-Mental-Illness/Finding-a-Mental-Health-Professional

** May be a great resource for mentors related to behavioral science / psychology projects.
It would be very important to indicate immediately upon contact that you are NOT calling because of a mental health situation or issue but instead because you have a student that is fascinated by….. and would love to speak to ….. as your student would love to eventually become a mental health professional and would love guidance with a research project.

The most important step in treating a mental health condition sometimes feels like a challenging one: finding a mental health professional. A trustworthy and knowledgeable mental health professional will be a valuable ally. It may take a little time and persistence to locate this ally or assemble a team of allies. Following the plan below can increase the chance of finding someone whom you feel comfortable working with.

Citizen Science

https://www.citizenscience.gov/catalog/#

** A great resource for students that want to get involved in pre-existing projects. In some cases there may be the opportunity to collect enough data to present it as an individual project (as a part of a larger team) in paper, PowerPoint and poster competitions

CitizenScience.gov is an official government website designed to accelerate the use of crowdsourcing and citizen science across the U.S. government. The site provides a portal to three key components: a catalog of federally supported citizen science projects, a toolkit to assist federal practitioners with designing and maintaining their projects, and a gateway to a community of hundreds of citizen science practitioners and coordinators across government as called for in the Crowdsourcing and Citizen Science Act of 2016 (15 USC 3724). You can learn more about the activities of the Federal Community of Practice on Crowdsourcing and Citizen Science in this two-page overview document.

Through citizen science and crowdsourcing, the federal government and nongovernmental organizations can engage the American public in addressing societal needs and accelerating science, technology, and innovation.

In citizen science, the public participates voluntarily in the scientific process, addressing real-world problems in ways that may include formulating research questions, conducting scientific experiments, collecting and analyzing data, interpreting results, making new discoveries, developing technologies and applications, and solving complex problems. In crowdsourcing, organizations submit an open call for voluntary assistance from a large group of individuals for online, distributed problem solving.

CODE.org

https://code.org/volunteer/local

** May be a great resource for mentors related to computer science and computational biology projects. Since you/your students may be requesting guidance with a more advanced project and/or a longer-term involvement, you may need to contact the potential mentors in advance to make sure that they are willing to work with a student directly.

Code.org® is a nonprofit dedicated to expanding access to computer science in schools and increasing participation by young women and students from other underrepresented groups. Our vision is that every student in every school has

Find a local volunteer

Enter your address to find a local volunteer. If there aren't any local volunteers available, search for volunteers in other cities who can participate remotely through a video conference.

Want to sign up to volunteer? **Sign up here** to be included on this map.

Search your location

| 🔍 Search | | Search |

How a volunteer can help

| any | ▼ |

Experience level

| any | ▼ |

Within

| 20 miles | ▼ |

Show no more than

| 50 volunteers | ▼ |

Vimukthi Sadaruwan Gunasekara
Robert Backofen
Binta Patel
Kevin Cooney
Shirish Joshi
Russell C Palmer
Steve Macari
Aditya Guthey
Anna Margotta Hughes
Mohan Singh
Tony Seing
Russell Palmer
Eleanor Wai
Yao Ching Alice Lieu

the opportunity to learn computer science as part
of their core K-12 education.

The leading provider of K-12 computer science curriculum in the largest school districts in the United States, Code.org also created the annual Hour of Code campaign, which has engaged more than 15% of all students in the world. Code.org is supported by generous donors including Microsoft, Facebook, Amazon, the Infosys Foundation, Google and many more.