

## 2021 Stanford Summer Research Program for Teachers 2021 Teaching Engineering & Design Thinking (TEDI)

### Program Description

The Stanford Summer Research Program for Teachers (SRPT) and the 2021 TEDI program offer eight-week research fellowships for science, engineering and technology teachers of middle school, high school and community college in the San Francisco Bay Area. Teachers work full-time in a Stanford lab four days a week, and meet each Monday as a group for science and engineering lectures by Stanford faculty, lab tours, and seminars on teaching. Mondays are also a time when the teachers can share their individual research projects and discuss innovative teaching strategies with each other. All participants develop an Education Transfer Plan (ETP) consisting of a new lesson or other curricular materials for use in their classroom. At the end of the summer all the teachers present their research during a poster session/reception.

Participants earn a stipend of \$7,000 for the summer and an additional \$2,000 in grants after developing and testing new lessons with their students. Teachers are eligible for five units of Stanford Continuing Studies credit and can apply for an additional \$1,000 Ignited Fund for Innovation grant. This is an intensive program that requires participants to be on campus 40 hours per week.

Stanford's Office of STEM Outreach operates this program in partnership with [Ignited](#).



*Ignited-Stanford  
Fellows at Hopkins  
Marine Station*

The goals of the programs are to:

- Re-excite teachers about the wonders of science and engineering.
- Provide teachers with hands-on authentic research experience.
- Give teachers the opportunity to become students again and revisit the academic learning process.
- Help teachers learn about new areas of scientific research.
- Support science teachers in their critically important jobs of training the next generation of America's scientists, engineers, and scientifically literate members of society.

### Program Dates

Program dates for 2021 are June 14 - August 6. Please note: dates are not very flexible due to the weekly scheduled teacher meetings and poster session. We can accommodate some variation if a teacher's school schedule requires it.

## How to Apply

The application process for this program is managed by Ignited; interested teachers apply via Ignited's online [application process](#). Once your application is complete, you can view Fellowship openings on Ignited's website and express interest in those of particular interest to you at Stanford or within other Ignited sponsors. Stanford will begin reviewing applicant resumes and conducting interviews in March. The majority of Fellowships will be filled by mid-May.

## Questions

Questions specific to Stanford? Kyle Cole, Director, Office of STEM Outreach, [kylecole@stanford.edu](mailto:kylecole@stanford.edu).

## Science Teachers in Stanford Research Labs

