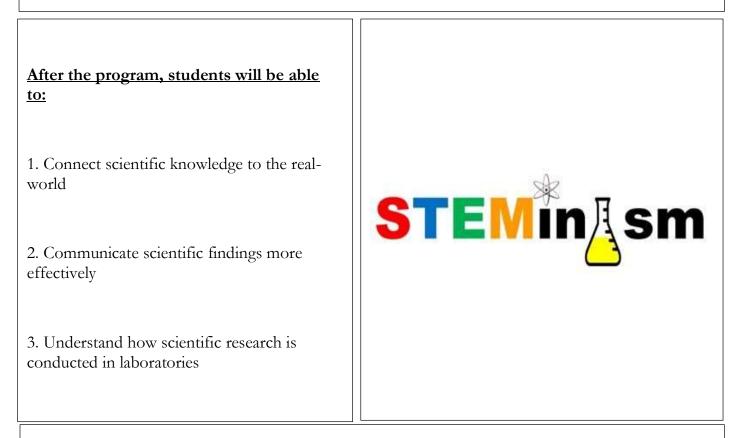
| | STEMinism, anyone? |
|--|---|
| INTERFACE DUCKTION SERVICES | If you love science and want to go beyond what you have learned from your textbooks and high school lectures, join our small, interactive seminar (3-5 students) exploring how scientific research is conducted, communicated, and applied in the real world! |
| | <u>This session will focus on Virology in the</u> <u>context of COVID-19.</u> |
| Women in | Students will participate in in-depth discussions about: |
| | -Virus Classification |
| Bioscience | -RNA Viruses |
| | -The COVID-19 Life Cycle |
| | -Testing approaches for COVID-19 (PCR and ELISA) |
| | -How to best present scientific research to peers (in-person and through scientific publication) |
| | -The role of gender in scientific research (historically and in contemporary practice) |
| | -Unique challenges and opportunities for women interested in academic or professional careers in STEM |
| This experience is <u>NOT</u> just for students who want to major in the sciences! | Instructor: |
| Students will learn how to think like a scientist by: | Waheeda Khalfan is a lecturer at Stanford University and has been working with undergraduates for over 15 years, teaching, developing curriculum, designing hands-on science courses, organizing large lecture courses, and mentoring students in the pre-med and biology majors track. She has also designed and taught introductory biology classes for high school students in the Stanford Summer Program. |
| 1. Learning or recalling relevant knowledge | |
| 2. Connecting news/information to scientific knowledge | Instructor: |
| Reading science articles from newspapers, evaluating scientific accuracy and validity Making judgements and putting information together in an innovative way | Allea Cauilan is an adjunct instructor teaching biotechnology in Los Angeles, California. Her class teaches undergraduate students many new and exciting biotechnology techniques including PCR, microarrays, and CRISPR. During college, Allea was a two-year Presidential Scholar doing research in a microbiology lab, and her research was funded by the |
| | National Institutes of Health. |

FORMAT

Students will meet daily (M-F) for 3 hours and should expect to complete outside reading/assignments for 2-3 hours each day.

At the conclusion of the program, students will attend a panel discussion with professional women in science talking about their experiences and offering advice about pursuing careers majors and careers in STEM. Upon completion of the program, students will receive a comprehensive evaluation from the instructor and a certificate of completion.



This class will be limited to **<u>5 students</u>** to ensure an individualized experience.

Please contact your Customer Service Representative to save your spot!