



Preparing for Success in Calculus

Mondays - Fridays, 9 a.m. - noon

June 13-30, 2022 on the Rice University campus

The content of the 14-day program, Preparing for Success in Calculus, focuses on introductory calculus topics, including limits, continuity, differentiability, and applications of the derivative, with a focus on mathematical communication, proof and justification, and real-world applications. Pre-calculus topics necessary for success in advanced mathematics, including properties and characteristics of function families are reinforced through the lens of calculus. Students will engage in hands-on learning activities and use visualization technology when appropriate. The instructional approach used in this program helps students make mathematical connections while also addressing any gaps in knowledge which may have occurred due to COVID-19.

Dr. Anne Papakonstantinou and Dr. Richard Parr will facilitate the program. They are award-winning mathematics teachers who have taught calculus at the high school and university levels and are acknowledged experts in working with gifted and talented students of mathematics. The program will provide students with mathematical knowledge and skills as well as learning strategies to prepare them for success in their future mathematical studies.

Guest speakers will include faculty from the Rice University Departments of Mathematics and Computational and Applied Mathematics and mathematicians from industry.

We are cautiously moving forward with our face-to-face summer program with the understanding that it might change to virtual if necessary due to COVID-19.

Each student will receive program materials.

Cost is \$900/student. Enrollment is limited.

For further information contact:

Dr. Anne Papakonstantinou, Director
Rice University School Mathematics Project
(713) 348-6076
apapa@rice.edu