

1154-97-2244 **Daniel Zaharopol*** (dan_zaharopol@artofproblemsolving.org). *Trends in pre-college advanced mathematics preparation and access for historically marginalized groups.*

Over the past few decades, access to advanced topics in mathematics has exploded among high school students. Well-connected students can access resources and training (online, through summer programs, and through specialized schools) that go well beyond a typical high school curriculum. However, Black, Latinx, and many low-income communities have not been able to take advantage of the same resources and have not had the same level of achievement in mathematics during high school. It is likely that pre-college access also contributes to underrepresentation in college and graduate school.

In this talk, we will examine data surrounding student access at the pre-college level. Data will be presented demonstrating both the overall trend of growth in access and the limited reach of that access for varying communities. The presentation will provide a context for work addressing disparate access, as well as data to support the need that can be shared with university administrators, funders, and others. (Received September 17, 2019)