

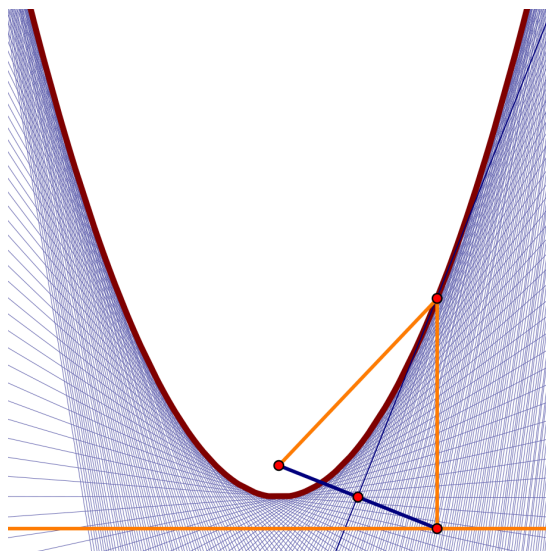
# No Limits!

**Online workshop with Henri Picciotto and Rachel Chou**

**August 2-6, 10-12am PDT / 1-3pm EDT**

**Hosted by Menlo School, Atherton CA**

For high school math teachers who want to make  
**Algebra 2, Trigonometry, and Precalculus**  
more accessible, richer, and more fun.



A frequent challenge in teaching upper level high school classes is the limited pedagogical range of most textbooks and curricula. This is particularly harmful to the students who find symbol manipulation difficult, but it is also cheating our stronger students of the multi-faceted understanding that would serve them best.

To address this, we will present a number of activities to complement the corresponding lessons in any textbook, whether traditional or contemporary. Our lessons involve the intelligent use of electronic tools (Desmos and GeoGebra), creative alternate representations, and problem-solving throughout. Our goal is to help students develop meaningful intuitions for the concepts being studied. Possible topics:

- Iterating functions as a gateway to sequences, series, and chaos
- Thoughtful approach to graphing: domain and range analysis, transformations
- Trigonometry: student discovery of the basics and elementary identities; polar graphs
- Function diagrams to visualize rate of change, inverse functions, composition
- Binomial expansion and story proofs
- Geometry of the conic sections (2D, 3D)

For more information, visit <https://www.mathed.page/summer> or e-mail [henri@mathed.page](mailto:henri@mathed.page)  
75% discount for first 15 public school teacher registrations.

**[Register by May 31](#)**