

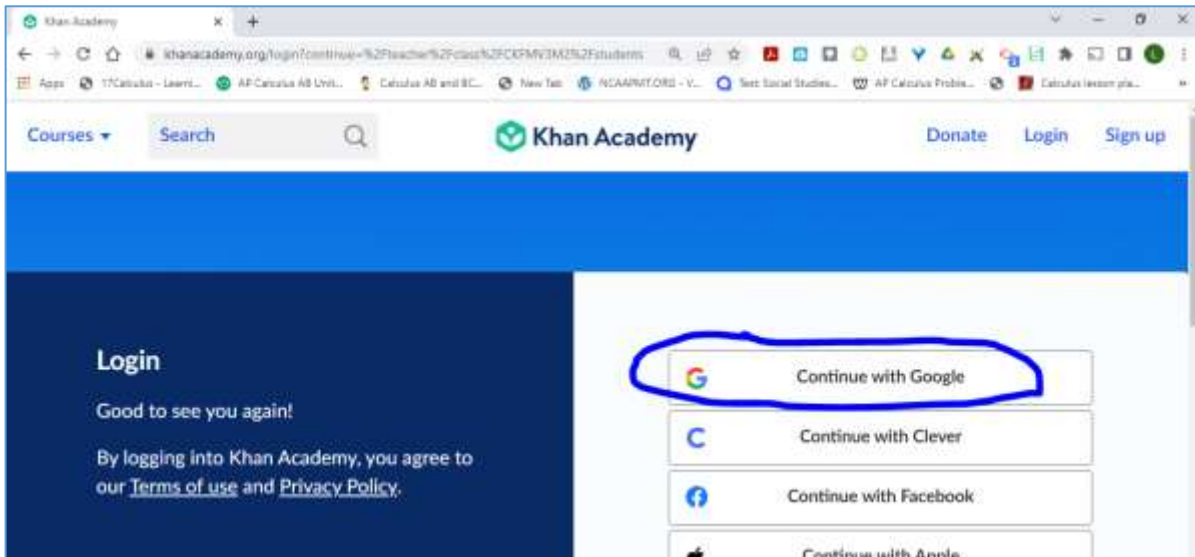
AP Calculus Summer Assignment

E-mail: laura.coons@henry.k12.ga.us

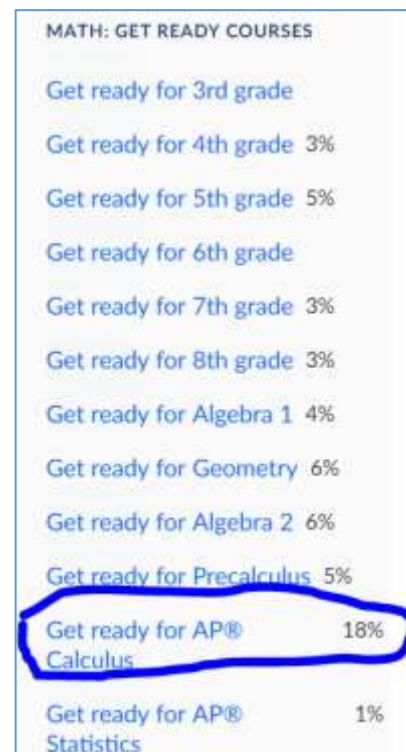
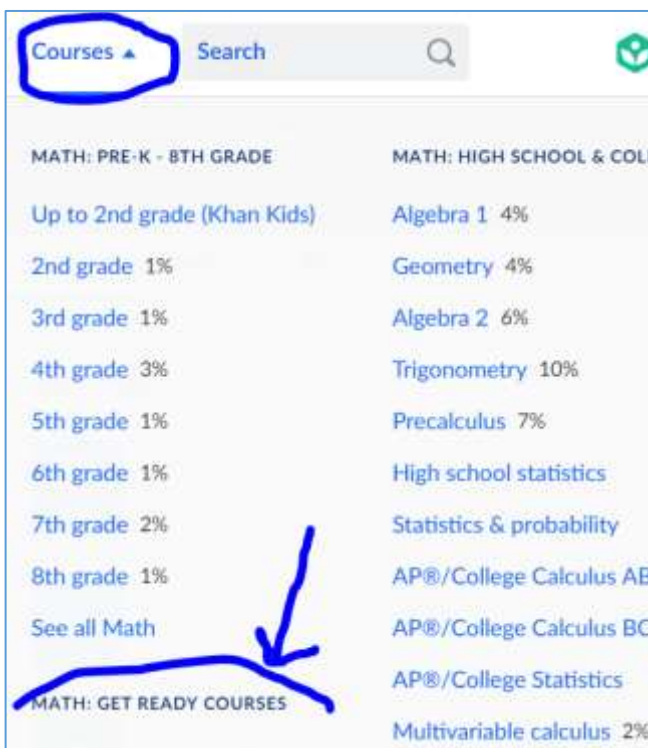
Summer Remind Code: @olacalcsun

To brush up on your algebra and trig skills prior to the start of AP Calculus, follow the directions below to get to the Khan Academy "Get Ready for AP Calculus" course. Complete the first Unit, "Get Ready for Limits and Continuity" prior to the start of school. Once school starts, you will have the opportunity to join my class on Khan Academy and take the Unit Test. Successful completion of the test will result in *up to* ten extra credit points on your first assessment grade in AP Calculus.

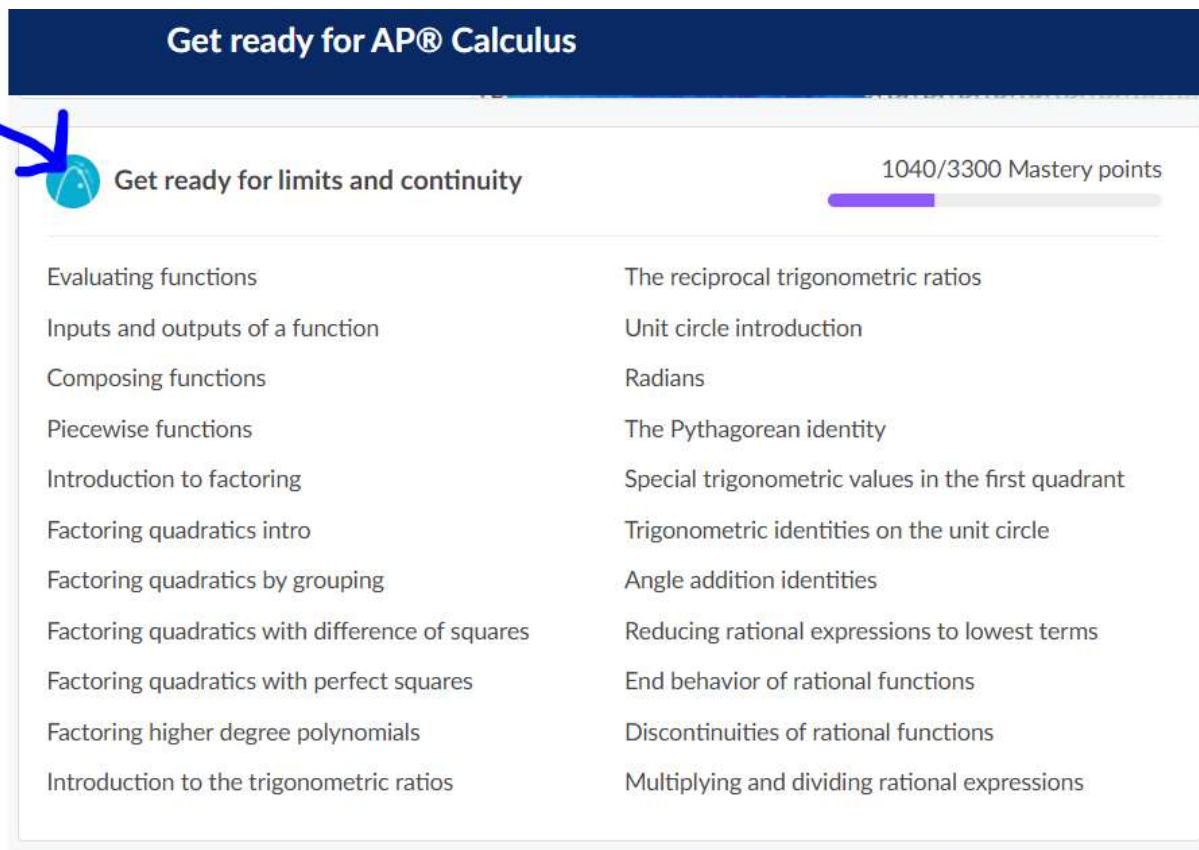
Head to www.khanacademy.org and log in with your school Google account.




Once you log in, click the courses menu in the top left corner of the screen and scroll down to Get Ready for AP Calculus.



Our first unit in the fall semester is Limits & Continuity. This unit assumes prerequisite knowledge of several algebra and trig skills. If you are limited for time, you should focus on the review of functions first (including but not limited to the piecewise and rational functions sections), followed by a review of trig and then factoring.



Get ready for AP® Calculus

Get ready for limits and continuity

1040/3300 Mastery points

Evaluating functions	The reciprocal trigonometric ratios
Inputs and outputs of a function	Unit circle introduction
Composing functions	Radians
Piecewise functions	The Pythagorean identity
Introduction to factoring	Special trigonometric values in the first quadrant
Factoring quadratics intro	Trigonometric identities on the unit circle
Factoring quadratics by grouping	Angle addition identities
Factoring quadratics with difference of squares	Reducing rational expressions to lowest terms
Factoring quadratics with perfect squares	End behavior of rational functions
Factoring higher degree polynomials	Discontinuities of rational functions
Introduction to the trigonometric ratios	Multiplying and dividing rational expressions

If you have any questions, please e-mail me at laura.coons@henry.k12.ga.us. Alternatively, text me by join my Remind for the summer assignment via the Remind App or www.remind.com and enter the following class code: @olacalcsum

Thank you, and I look forward to a great year!

Sincerely,

Mrs. Laura Coons