Central Catholic HIGH SCHOOL

Math Department
June 2026

HONORS PRE-CALCULUS AND PRE-CALCULUS SUMMER MATH PACKET INFORMATION

Dear Honors Pre-Calculus and Pre-Calculus Student,

The Mathematics Department at Central Catholic High School would like to congratulate you on your placement in Honors Pre-Calculus or Pre-Calculus for the fall of 2026.

Honors Pre-Calculus and Pre-Calculus is a rigorous and demanding course. Both courses will quickly review Algebra II topics and then move into Pre-Calculus material. A Texas instrument graphing calculator (TI-89 or TI-Nspire CAS) is required for this course and should be brought to class each day, starting the first day of school.

In the fall, we will use the first few weeks of school to review concepts of Algebra II. To help you prepare for this material, we have compiled a list of activities for you to complete using Khan Academy over the summer. Khan Academy is a free resource that provides learners access to practice problems and instructional videos on its website khanacademy.org.

Please create a Khan Academy account or use your school Google account to log in to the website. Then complete the list of activities on the next page by the first day of school. Completion of these activities is optional but encouraged.

If you have any questions, please contact your Honors Pre-Calculus or Pre-Calculus teacher via their school email.

Have a safe and relaxing summer. We look forward to seeing you in the fall.

Sincerely,

Math Department

CREATING A KHAN ACADEMY ACCOUNT

1. Go to the website khanacademy.org and click “Login.”
2. Then you can click “Continue with Google” to link your Khan Academy account to your school Google account. Enter your school email (first.last@cchsrams.com) and password. You will use this method to log in each time you go to the website.

KHAN ACADEMY ACTIVITIES TO COMPLETE OVER THE SUMMER

After logging in to your Khan Academy account, work on completing the following Khan Academy units by clicking on the links below.

Algebra foundations | Algebra 1 | Math | Khan Academy
Solving equations & inequalities | Algebra 1 | Math | Khan Academy
Linear equations & graphs | Algebra 1 | Math | Khan Academy
Forms of linear equations | Algebra 1 | Math | Khan Academy
Systems of equations | Algebra 1 | Math | Khan Academy
Functions | Algebra 1 | Math | Khan Academy
Sequences | Algebra 1 | Math | Khan Academy
Exponents & radicals | Algebra 1 | Math | Khan Academy
Exponential Growth & Decay | Algebra 1 | Math | Khan Academy
Composite and inverse functions | Precalculus | Math | Khan Academy • Complete only the first section on “Composing functions” AND Quiz #1

For all of the units above except the last one, complete the Unit Test (see instructions below)

- After clicking on the link, scroll all the way down then click on “Start Unit Test.”
- If you score under 80%, please review the “Recommended lessons” then retake the Unit Test until you score 80% or higher.
- To review the lessons just close the Unit Test, then scroll back up to the recommended lesson.
- Under “Learn” you will find both lesson tutorial videos and interactive help web page articles
- When you’re ready, just scroll back down and click “Take Unit Test Again.”



