Central Catholic HIGH SCHOOL

Math Department
June 2026

ACCELERATED GEOMETRY / ACCELERATED ALGEBRA II SUMMER MATH PACKET INFORMATION

Dear Accelerated Geometry / Accelerated Algebra II Students,

The Mathematics Department at Central Catholic High School would like to congratulate you on your placement into our accelerated courses for the fall of 2026.

Accelerated Geometry and Accelerated Algebra II are rigorous and demanding courses. Each semester course will cover the same standards and concepts of its corresponding year long course. A Texas Instrument graphing calculator (TI-84 or higher) is required for this course and should be brought to class each day, starting the first day of school.

In the fall Accelerated Geometry course students will apply their algebraic skills in various problem solving situations. To help you review pertinent algebra skills that will be used in Accelerated Geometry, we have compiled a list of activities for you to complete using Khan Academy over the summer. Khan Academy is a free resource which provides learners access to practice problems and instructional videos on their 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 Accelerated Geometry / Accelerated Algebra II teacher via their school email.

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

Sincerely,

Math Department Chair

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
Exponents & radicals | Algebra 1 | Math | Khan Academy
Quadratics: Multiplying & factoring | Algebra 1 | Math | Khan Academy

For all of the units, please 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 70%, please review the “Recommended lessons” then retake the Unit Test until you score 70% 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.”



