

### GEOMETRY SUMMER MATH INFORMATION

Dear Geometry Student,

The Mathematics Department at Central Catholic High School would like to congratulate you on your placement in Geometry for the fall of 2024.

Geometry is a rigorous and demanding course, it teaches students to think, reason and communicate mathematically. Students will use variables to determine solutions to real world problems. Skills gained in Geometry provide students with a foundation for subsequent math courses. A scientific or graphing calculator is required for this course and should be brought to class each day, starting the first day of school. We recommend a graphing calculator (TI 84 or higher) since that is the requirement for math courses after Geometry, but a scientific calculator (TI 30) will work for this year if that is preferred.

In Geometry, students will apply their algebraic skills in various problem solving situations. To help you review pertinent algebra skills that will be used in Geometry, we have compiled a short 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](https://www.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 will count as the first two assignments in your Geometry class. Students will also have a small assessment over the content covered in their summer math activities during the first week of school.

Make sure to take note of the email and password you chose to complete these activities so you will have access to your Khan Academy account in the fall. If you have any questions, please contact your Geometry teacher via their school email.

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

Sincerely,

Kimberly Zoucha  
Math Department Chair

## CREATING A KHAN ACADEMY ACCOUNT

1. Go to the website [khanacademy.org](https://www.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](mailto:first.last@cchsrams.com)) and password. You will use this method to log in each time you go to the website.
3. If you do not have access to your school Google account, instead of “Login,” click “Sign up.”
4. Then you will be given the option to use any email to create an account.

## 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.

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions>

- SKIP “Dependent and independent variables” section and the Unit Test

<https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:solve-equations-inequalities>

- Complete ONLY the first two sections and Quiz 1

Please complete all Practice activities as well as all Quizzes & Unit Tests unless otherwise indicated above (see red arrows). You must score at least a 70% on the quizzes and unit tests.

This is an example of what type of activities and resources you will see. Please note that your link may have different content than what is shown below.

The screenshot shows the Khan Academy interface for Algebra I. The top navigation bar is dark blue with 'Algebra I' on the left and 'Algebra foundations' in the center. Below the navigation bar, the user's progress is shown as '700 Possible mastery points' and 'Level 1' (with '175 points to Level 2' indicated). The main content area is divided into three sections: 'Learn', 'Practice', and 'Quiz 1'. The 'Learn' section is highlighted with a blue box and a blue arrow pointing to it from the left. The 'Practice' section is highlighted with a red box and a red arrow pointing to it from the top. The 'Quiz 1' section is also highlighted with a red box and a red arrow pointing to it from the bottom. The 'Learn' section contains four items: 'Evaluating expressions with two variables' (twice), each with a play button icon, and 'Evaluating expressions with two variables: fractions & decimals' (twice), each with a document icon. The 'Practice' section contains two items: 'Evaluating expressions with multiple variables' and 'Evaluating expressions with multiple variables: fractions & decimals', each with a 'Practice' button and a progress indicator. The 'Quiz 1' section contains a 'Start quiz' button and a progress indicator. A small blue robot icon is visible in the bottom right corner of the 'Quiz 1' section.

## IF YOU NEED HELP LEARNING THE MATERIAL

Please use the resources listed under “Learn,” which include both lesson tutorial videos and interactive help web page articles.