

## GEOMETRY SUMMER MATH PACKET 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 2021.

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 Texas Instrument graphing calculator (TI 83/TI 84 or higher) is required for this course and should be brought to class each day, starting the first day of school.

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.

If you have any questions, please contact your Geometry teacher via their school email. We realize this has been an unusual academic year and we want to calm any fears you may have as a student because we know everyone is coming from different backgrounds. Meeting our students where they are academically has never been more important than now. All of our math teachers will work hard to ensure you have a successful next year

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

## 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, Quiz 7 and 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'. 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. The 'Practice' section is highlighted with a red box and a red arrow pointing to it. The 'Quiz 1' section is also highlighted with a red box and a red arrow pointing to it. The 'Learn' section contains a list of skills: 'Evaluating expressions with two variables' (twice) and 'Evaluating expressions with two variables: fractions & decimals' (twice). The 'Practice' section contains two practice activities: 'Evaluating expressions with multiple variables' and 'Evaluating expressions with multiple variables: fractions & decimals'. The 'Quiz 1' section contains a 'Start quiz' button and a cartoon character.

## 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.