

HONORS PRE-CALCULUS SUMMER MATH PACKET INFORMATION

Dear Honors Pre-Calculus Student,

The Mathematics Department at Central Catholic High School would like to congratulate you on your placement in Honors Pre-Calculus for the fall of 2021.

Honors Pre-Calculus is a rigorous and demanding course. The Honors Pre-Calculus course 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 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 three assignments in your Honors Pre-Calculus class.

If you have any questions, please contact your Honors Pre-Calculus 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.

Sincerely,

Todd Bowman
Math Department
tbowman@centralcatholichigh.org

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) 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.

<https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:functions>

<https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:absolute-value-piecewise-functions>

<https://www.khanacademy.org/math/precalculus/x9e81a4f98389efdf:composite#x9e81a4f98389efdf:composing>

- Complete only the first section on “Composing functions” AND Quiz #1

Please complete all Practice activities as well as all Quizzes & Unit Tests (see red arrows below).

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' under the 'Algebra foundations' unit. The user has 700 possible mastery points. The interface is divided into three main sections: 'Learn', 'Practice', and 'Quiz 1'. The 'Learn' section contains video lessons on evaluating expressions with two variables. The 'Practice' section contains interactive exercises on evaluating expressions with multiple variables. The 'Quiz 1' section contains a quiz on the above skills. Red arrows point to the 'Practice' and 'Quiz 1' sections, and a blue arrow points to the 'Learn' 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.