

Students entering Algebra 1 and Algebra 1 Honors

Below is a mandatory summer math activity done through Khan Academy. To support your student's success, the math department is recommending that he/she work a minimum of 3-5 hours or 25% completion on the mission prior to school starting. The missions will enable our students to practice and continue learning over the summer.

Your student can work in the **“Pre-algebra Mission”** in Khan Academy. After starting the mission, Khan Academy's adaptive software and instant feedback will guide them on their individual learning path. This allows them to practice skills, understand which ones they have truly mastered, and focus their effort where it's most needed. **Students will also be able to link their work to their teachers when they start the school-year so that they can pick up their learning from there.**

1. Go to www.khanacademy.org and click “Start learning now.”
2. Choose “Sign in with Facebook”, “Sign in with Gmail”, or “Sign up with email.”
3. With your parent, fill in the necessary information (first name, last name, email, and birthday). Because your child is under 13, everything is handled through your parent's email address. ****Make sure to write down your username and password so that you can continue your mission once you get to school in August.**
4. Once you have signed up, go back to khanacademy.org and click on “Subjects” in the top left (next to the Khan Academy logo.)
5. Hover over math and click on the **Pre-algebra Mission**.
6. When your mission shows up, click “Get started”.
7. Click “Get started” to do the mission warm-up.
8. Answer the question, then click “Check answer” on the right.

**Notice the buttons for “I haven't learned this yet”, “I'd like a hint”, and “Stuck, watch a video” on the right. The hint button will give you hints for how to do the specific question and the video will show you how to do the skill. Each one of these will mark you incorrect, but can be invaluable for learning the skills.

9. Every time you logon to Khan Academy, the “home” button will have your mission. Just click on the mission and it will take you back into your practice and mastery challenges.

**The mastery challenges are where you will progress from practice, to level 1, to level 2, and finally to mastery of each skill. Once you complete a mastery challenge, it will make you wait 15 hours before you can do that skill again in a mastery challenge. You will be allowed to do other skills you have been working on, however, so keep practicing. The more you practice, the more mastery challenges will show up.

**Khan Academy suggests skills for you to practice. You can, however, add your own. On the left, under your progress percent, you can click on “show all skills”. This will open up all the skills in your mission and show you your progress on each one. You can click the small square to add it to the practice list on the right. Now you can practice that skill.