



**ORIGINS** HIGH SCHOOL EST. MMXIII

**WHERE CHARACTER, CREATIVITY,  
+CURIOSITY MEET**

## **10<sup>TH</sup> GRADE ALGEBRA SUMMER ASSIGNMENT**

You know that feeling the first few days of a new school year when your brain *hurts* from doing so much thinking after all that time off in the summer? Well, that feeling is well-researched and has a name: summer brain drain!

While summer vacation is a great time to do things you don't normally have time to do during the school year, **it is also a crucial time for you to maintain academic skills you worked so hard during the previous school year!** Most students -- regardless of family income or background -- lose 2 to 2 1/2 months of the math computational skills that they learned during the previous school year.<sup>1</sup>

So, in an effort to minimize the effects of summer brain drain, you'll complete just a few hours of work per week on a Khan Academy assignment. Along with your Summer Reading Assignment for ELA, this should do the trick to keep you sharp, and maybe even get you ahead for 10th grade!

The assignment below is due on the first day of school (Thursday, September 7<sup>th</sup>). In addition to it counting as your first graded assignment of the year, it will carry the weight of THREE homework assignments, so be sure to put in the necessary time to thoughtfully complete it! **It is recommended that you spend about 3 hours a week working on it – don't wait for the last days of vacation!**

STEP 1: Once you are logged in using your school Google email account, **add Mr. Diamantis by clicking PROFILE, then COACHES and add his email: pdiamantis@originshighschool.org.**

STEP 2: Select SUBJECT in the top left and then ALGEBRA 1 from the drop-down menu. Then click MISSION. This will automatically keep track of what you already know and need to work on. The more time you put into the mission, the more it will adjust to your current level.

STEP 3: Follow the prompts given to you for the mission. On the back of this sheet, write down the DATE, AMOUNT OF TIME, and TOPICS you covered. Your goal is to complete AT LEAST the first 3 sections on the drop down menu to the left (MISSION FOUNDATIONS, INTRODUCTION TO ALGEBRA, and ONE-VARIABLE EQUATIONS). **You should show your work neatly in a notebook.**

Remember, try a topic first. Use HINTS as you take notes on the topic. If this is not helpful enough, watch the related VIDEOS and use other resources (Purple Math, Math Forum, etc.) as needed.

REALLY stuck?? Skip the topic and try another. REALLY, REALLY stuck? Try dropping your Subject mission down to 7th or 8th grade. You will get the same grade as long as you're putting in the time!

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<sup>1</sup> 'Summer Brain Drain' Robs Some Students of Skills Gained During School Year, Washington Post, 6/15/2009





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