

## Algebra 1 Honors Information and Summer Assignment

Dear Parents and Students,

I would like to give you some information regarding Algebra I Honors classes at McNairy Central. One way that this course differs from Algebra I is that it is taken in half of the time. Algebra I is a full year class that takes two semesters to complete. Students have an entire year to move through the material. Students who are in the honors course will take the class in only one semester. This means that we move through the material very quickly and touch more advanced topics in the material. Where Algebra I students may learn one lesson in a class period, Honors Algebra I students may learn three lessons in one class period. Students who take this course need to be students who can learn at this quick pace well enough to compartmentalize and have great conceptual understanding of the material to perform well on assessments. Students need to be self motivated and responsible for completing work on a daily basis outside of the classroom and seek help as needed. **Attendance is very important.**

Due to the pace of this course, students will need to come into Honors Algebra I with a working knowledge of mathematics concepts previously learned in grades 4-8. In half a year, we will not have time to go over these skills in class. If the student struggles with one or more of these tasks, they should reconsider signing up for this course. Here is a list of math topics for which candidates for Honors Algebra I should know and perform without errors prior to beginning high school:

- Add, subtract, multiply and divide integers, decimals, and fractions without the use of a calculator (and without changing fractions to decimals)
- Simplify fractions (including improper fractions)
- Solve all types of linear equations in one variable
- Use the distributive property
- Know the parts of the Coordinate Plane
- Graph points on a Coordinate Plane
- Find the slope of a line with two ordered pairs using the slope formula
- Graph lines using slope-intercept form
- Understand greatest common factor
- Understand exponents and taking square roots

**Summer Assignment:** This is a graded assignment for this class. Students will receive a grade of 0 if it is not completed by the due date.

- Go to [www.deltamath.com](http://www.deltamath.com)
- Click the "For Students" Button, then click "Register"
- Enter the Course Code: **FE5G-58PQ**
- Click "Register with Email." Use any personal email account. DO NOT use a school email address because your email account will likely change over the summer. Click "Login" to sign in from then on. Do not forget your login/password that you used.

**Assignments will be available from June 1 - July 30, 2023.** Complete all of the assignments posted. Give yourself plenty of time. This would be difficult to complete all at once. ALL parts of the assignments are **DUE on Sunday, July 30, 2023 @ 11:59PM**, even if you have Algebra 1 Honors in the Spring semester. **If a student is unable to complete the work online, the student should email a request for a paper packet to [isbella@mcnairy.org](mailto:isbella@mcnairy.org) NO LATER THAN May 5, 2023. Requested packets must be picked up in the front office between May 11-17, 2023. Paper packets must be turned in on Monday, July 31, 2023 in D13 or the front office to be placed in Mrs. Isbell's mailbox.**

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## Algebra 1 Honors Supply List

1 or 1 ½ inch binder

Loose Leaf Notebook paper

Pencils and Erasers-Ink pens are not allowed for submitted work.

Highlighter

Access to a Graphing Calculator

### Preferred Calculators

TI- 84+ Graphing Calculator- This can be used for all future math courses taken at MCHS, including Dual Enrollment courses. There are multiple state standards in this course that require this tool. I will teach using the TI-84 model. There are some calculators that are not allowed on state or ACT tests. I also do not recommend the CASIO brand. Walmart and other retailers generally put calculators on sale in July and August. This is the best time to purchase one even if you are scheduled to take the class in January in order to save money. If you have any questions about calculators, email me at [isbella@mcnairy.org](mailto:isbella@mcnairy.org).

Calculator Rentals- I have some TI-84 graphing calculators to rent on a first come, first served basis. The rental fee is \$20. This will allow you to use the calculator at school and home for the entire semester that you have Algebra 1 Honors.



Wish List: These items will be greatly appreciated this school year, but are not required.

Kleenex

Paper Towels

Copy Paper

Please feel free to email me with any questions about Algebra 1 Honors at [isbella@mcnairy.org](mailto:isbella@mcnairy.org). I look forward to working with you and your child in the upcoming school year.

Amanda Isbell

Algebra 1 Honors Teacher