

Honors Algebra I

Course Syllabus
Lisa Miller
Central High School
2017-2018

Course Description:

Algebra I is required for high school graduation. Algebra I is the first level of the four math courses required for a diploma. The new end of course tests are designed to assess true student understanding and not just basic memorization and test-taking skills. The TN Ready test will measure student understanding of our current state standards in math, not the previous SPIs. TN Ready TCAP will be the required test to assess student understanding of our current state standards.

Instructional Philosophy

We at Central High School believe every student should be given the opportunity to do his/her best. In order to provide the best possible environment for individual learning, instructional practices in this course will incorporate activities that allow for differences in learning styles. Ultimately, the philosophy of this teacher must reflect the mission statement of Central High School: “to develop lifelong learners through challenging expectations and to address the needs of all students, while promoting civic and social responsibility.”

Major Course Goals

The major goal of Algebra I is to address the most up to date standards. These will include the following topics:

- Structure and Operation
- Equations and Inequalities
- Functions and Interpreting Data

These topics will be addressed by using the Standards for Mathematical Practice which describe the varieties of expertise, habits of minds, and productive dispositions that educators seek to develop in all students.

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

Projects and Instructional Activities (Honors)

1. Group Project: 1st Semester project is entitled “The Spirit of the Games.” The students will be required to explore real-world winning times of Olympic races through the recent years. These times will be represented in graph form using functions. The group will have to present their graph to the class using some type of technology. They will also be required to turn in a written narrative of their findings.
2. Individual Research: Students will do individual research on careers related to the field of mathematics after career day which usually involves a guest speaker. Students will be required to do research, write a paper, and do an oral presentation to their class on their chosen career.
3. Regular Classroom Assignments: Assignments will explore problems that are challenging and involve higher-order thinking skills.

Course Assessment

Student grades in this class will be based on achievement on daily work, worksheets, quizzes, tests, and a notebook during each nine week period. The notebook must contain class notes and daily assignments for each chapter. . All students are responsible for completing homework on their own and turning it in on the specified due date. Quizzes and test will help assess and monitor the students’ progress. Make-up work is allowed based the current attendance policies of Central High School. . Additionally, Honors Algebra I classes will have projects as described in the above section which will extend the regular studies.

Contact Information

Please feel free to contact me with any questions or concerns you may have.

School Phone Number: 263-5541 Cell Number: 829-6339

Planning Time: 9:05-10:10 **E-mail: lmiller@mcmminnschools.com**

Textbook Information

Our new Algebra I book offers online study tools provided by Houghton Mifflin Harcourt. I will be instructing the students on these resources as we progress through the year.

I hope you find this information helpful. I am looking forward to a rewarding year of working together!!

Thanks,

Lisa Miller

Honors Algebra I

Lisa Miller

Grading Policy

- Daily assignments 50% of grade (most important factor in success)
- Tests, Quizzes & Notebook other 50 %
- Make-up work due in the number of days missed +1

Rules

1. Follow directions the first time given.
2. Bring supplies to class (pencil, paper, book, & calculator) and be in seat when bell rings. After the second tardy you will receive before or after school detention.
3. Raise your hand and wait to be called upon before speaking.
4. Remain in seat unless given permission to do otherwise. Pencils should be obtained and sharpened before class begins.
5. No cell phones in the classroom! It will be taken to the office, no exceptions!!!

Contact Information

School Phone: 263-5541

Planning Time: 9:05-10:10 Cell Number: 829-6339

E-mail: **lmiller@mcmminnschools.com**

Please return to Mrs. Miller acknowledging that you have read and understand what is expected in Algebra.

Student Name (print) _____ Class Period _____

Student Signature _____ Date _____

Parent's Signature _____

E-Mail Address _____

Daytime Phone _____ Evening Number _____