

2023- 2024 Syllabus

Algebra I & Strategic Learning Math

Megan Bill



Course Description: Welcome to Pre-AP Algebra I! This course focuses on the real number system and introduces students to algebraic expressions, equations, and functions through multiple representations. Students will learn to write, solve, and graph linear, quadratic, and exponential functions. Every student enrolled in Algebra I PAP will also be enrolled in a Strategic Learning course. These classes are combined to give students ample opportunity to practice and master the skills needed to be successful in Algebra I and beyond. This is an EOC tested course, meaning students will take the Algebra I STAAR in May. I look forward to coaching and encouraging you this year!

Course Objectives: Every student will become equipped with the tools and skills it takes to be successful in Algebra I and beyond. Students will strengthen their critical thinking skills and become problem solvers both inside and outside of the classroom. By the end of this course, students will be able to:

- Solve mathematical problems algebraically
- Communicate mathematically
- Create and interpret mathematical representations and models
- Make efficient and appropriate use of technology
- Solve real-world problems

Curriculum: The curriculum is shaped around the Texas Essential Knowledge and Skills (TEKS), which include:

- ❖ Linear Equations and Inequalities
- ❖ Linear Functions
- ❖ Systems of Linear Equations and Inequalities
- ❖ Adding, Subtracting, Multiplying, and Dividing Polynomials
- ❖ Factoring Polynomials
- ❖ Laws of Exponents
- ❖ Quadratic Equations
- ❖ Quadratic Functions
- ❖ Exponential Functions
- ❖ Regression
- ❖ Transformations of Functions
- ❖ Patterns and Sequences

Grade Weight and Grading Scale:

Formative- 60% (Daily Grades, Online Activities, Short Quiz, Homework, etc)

Summative- 40% (Projects, Tests, Essays, Long Quiz, etc.)

(A=100-90)

(B=89-80)

(C=79-75)

(D=74-70)

(F=69-0)

Contact Information:

Preferred Mode of Communication: **TEAMS Chat, Canvas** or Email

Email: megan.bill@houstonisd.org

Web Address: <https://www.houstonisd.org/megan.bill>

Room: 203

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Honor Code: East Early College High School embodies a spirit of mutual trust and intellectual honesty that is central to the very nature of learning and represents the highest possible expression of shared values among the members of the school community. The core values underlying and reflected in the Honor Code are:

- Academic honesty is demonstrated by students when the ideas and the writing of others are properly cited; students submit their own work for tests and assignments without unauthorized assistance; students do not provide unauthorized assistance to others; and students report their research or accomplishments accurately
- Respect for others and the learning process to demonstrate academic honesty
- Trust in others to act with academic honesty as a positive community-building force in the school
- Responsibility is recognized by all to demonstrate their best effort to prepare and complete academic tasks
- Fairness and equity are demonstrated so that every student can experience an academic environment that is free from the injustices caused by any form of intellectual dishonesty
- Integrity of all members of the school community as demonstrated by a commitment to academic honesty and support of our quest for authentic learning.

Policy on Electronic Devices: Once students enter classroom, all electronic devices should be silenced and put away such that they are not visible. These include cell phones, headphones, ear buds, etc. Students may only use electronic devices if authorized by teacher. Teachers may use electronic devices for instruction purposes at teacher discretion.

Late Work: Homework and daily class work will not be given full credit, if accepted late. Evaluation on late work will be done on a case-by-case basis at the discretion of the teacher. Make-up work will not be made-up during class time; this time will be reserved for planned instruction. It is the responsibility of the student to get make-up work and to return it to the instructor in a timely manner. Communication is key, reach out to Mrs. Bill in person or via Teams with any questions or concerns regarding submission of your work.

Absences: All work is expected to be made up from an absence, excused or not. All notes and assignments will be posted with the date in Canvas. Contact Mrs. Bill about arranging a due date upon your return.

Student Success: Successful completion of this course requires a combination of the following:

- Daily notetaking and revisiting of your class Interactive Notebook
- Attending class in person and/or online
- Completing assignments thoughtfully
- Participating in class activities

There is no short cut for success in this course; it requires practicing and studying throughout the year.

As your teacher, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required

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As a student, it is your responsibility to:

- Attend class on time
- Participate actively and contribute to a scholarly learning environment
- Maintain clear communication
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments

Return this syllabus signed by you and your parent/guardian by Friday 9/1 for your first homework grade. By signing this you are acknowledging that you have reviewed the expectations of this class.

Student Signature _____ **Parent/Guardian Signature** _____

Parent/Guardian email _____