ALGEBRA I SYLLABUS 2023-2024

TEACHER: Sarah Lacy
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PHONE: 931-381-2222 ext. 1083

COURSE OBJECTIVES

- A. Understand and apply algebraic terminology.
- B. Demonstrate the ability to problem solve using various algebraic skills.
- C. Apply algebra to real world problems.
- D. Develop critical and analytical thinking skills.

COURSE OUTLINE

Quarter 1
- Modules 1 & 2: Expressions/ Equations in One Variable
  - Interpret expressions; solve and graph equations.
- Module 3: Relations & Functions
  - Identify, evaluate, describe the characteristics of, and graph functions.
- Module 4: Linear/Nonlinear Functions
  - Explore, graph, and write linear and nonlinear functions.

Quarter 2
- Module 5 & 6: Creating Linear Equations & Inequalities
  - Identify, evaluate & graph linear functions and inequalities.
- Module 7: Systems of Linear Equations & Inequalities
  - Solve systems of linear equations & inequalities.

Quarter 3
- Modules 8 & 9: Exponents & Exponential Functions
  - Use the properties of exponents to simplify and evaluate exponential expressions.
  - Graph exponential functions.
  - Recognize and evaluate exponential growth & decay as it relates to real-world situations.
- Module 10: Polynomials
  - Add, Subtract, Multiply & Factor polynomials.
- Module 11: Quadratic Functions
  - Identify, evaluate, & describe characteristics of quadratic functions.
  - Graph and solve quadratic functions and equations.

Quarter 4
- Module 12: Statistics
  - Use data and analyze statistical models.
  - Use regression lines to make predictions.
- Prepare for End of Course testing.

For state standards please visit:
https://www.tn.gov/content/dam/tn/education/standards/math/Standards_Support_Alg_I_Mathematics.pdf

SUPPLY LIST

- Pencil, Eraser, Paper
- TI84 Graphing calculator- suggested, not required. Calculators may be rented from the library for $20/year. Each class has a set, so they are available to students during class at school. A free app is available for phones for home use.

ABSENCES:
Students have 5 days to turn in excuses. 5 parent notes are allowed per semester. Students have 1 day to turn in a tardy note. 4 tardies to 1st period will be considered a full day absence. (See page 22 in Student Handbook for tardy policy.)

CLASS RULES
      BE RESPECTFUL: Yourself and others
      BE READY: *Phone and ear buds out of sight*. Pencil, paper, calculator
      BE RESPONSIBLE: On time, in seat, open for instruction, *phone and ear buds out of sight.*

GRADING SYSTEM
      Grades will be determined at the end of each semester using the following grading scales (subject to change by MCPS Board of Education):

Letter Grade	Percentage
A 4.0	90-100
B 3.0	80-89
C 2.0	70-79
D 1.0	60-69
F 0.0	0-59

Category	Percentage
Exam	15%
Tests	40%
Quizzes	30%
Assignments	15%

PARENT PORTAL/GRADES
Students and parents are encouraged to ***track student grades and messages from teachers using the online parent portal***. You can gain access to parent portal (which allows you to see your student's grades for EVERY class) by calling the attendance office: 931-381- 2222 ext. 1102 or 1125.

RE-TAKE POLICY
Pending updates from administration for the 23/24 school year.

TUTORING
CHS has previously offered free tutoring with transportation home provided. Information will be sent pending verification for the 23/24 school year.

I have read the course syllabus for Ms. Lacy's Algebra I class.

Student Name_____

Parent/Guardian Signature_____

Parent/Guardian Phone Number _____

Parent/Guardian Email Address _____