Algebra 1 Algebra 1 Course Syllabus

Mrs. West   School Number: 416-2136   email: westkr@scsk12.org

Course Description: This course is designed to provide students with an in-depth level of instruction at an accelerated pace. This year in Honors Algebra I, students will gain a better understanding of functions as they compare/contrast linear, quadratic, and exponential functions. The course will also enhance students' critical thinking and problem solving skills which provide the foundation for real world problem solving.

By taking this course, students will learn the necessary concepts of Algebra that will prepare them for future math classes and for the new TNReady TCAP test for Algebra I. The TNReady TCAP test will measure student understanding of our current state standards in Algebra I. The focus of the test will not be on basic memorization and test-taking skills. This test is a new way to assess what our students really know. Student performance in this class will have a substantial impact on how well they will perform on the TNReady Test and in future math courses, so students are expected to be alert and involved every day.

Unit of Study:

- Functions & Graphing (Linear, Exponential and Quadratic Functions)

- Equations

- Inequalities

- Linear Functions (Rate of Change/Slope)

- Solving Systems of Equations and Systems of Inequalities

- Polynomials

Learning Outcomes:

Students will be able to:

- ❖ Analyze, interpret, and distinguish among linear, quadratic, and exponential functions
- ❖ Graph functions
- ❖ Solve linear equations and linear inequalities
- ❖ Solve systems of linear equations and systems of linear inequalities
- ❖ Simplify polynomials
- ❖ Factor polynomials
- ❖ Solve quadratic equations
- ❖ Solve problems involving descriptive statistics

Textbook: Referencing→ Eureka Algebra 1 and Savvas Algebra 1

Supplementary Instructional Materials: Handouts, Worksheets

Supplies: Students will need the following for class each day:

- #2 pencils(suggesting mechanical)
- spiral notebook (3 or 5 subject)
- a two pocket folder
- highlighters

Grading Policy: A student's overall grade in this course represents how well the student can demonstrate mastery of content on formative and summative assignments and assessments given throughout the year.

40% Assessments(Topic Quizzes/Test and CFA's)

35% Classwork (practice work, exit tickets, binder check)

10% Homework

5% Class Participation

10% Projects

Grading Scale: **A** 90 - 100   **B** 80 - 89   **C** 70 - 79

                D 60 - 69   **F** BELOW 60

Redo/Retake: Students may redo/retake Topic Quizzes. It is recommended that students redo/retake a topic quiz within one week from the time the original topic quiz was given.

Make-Up Work due to absences: It is the students' responsibility to make-up any missed assignments due to an absence. If a student misses a quiz or test due to an absence, that student must plan to make up the assessment. It is highly suggested that all quizzes or tests be made up the day the student returns. Also, if a student is absent only one day before a quiz/ test, he or she is expected to take the quiz/test on the scheduled date.

Tutoring: Tutoring is on Thursdays from 2:30 to 3:30

Classroom Expectations and Consequences:

- Arrive to class on time
- Be in your seat when the tardy bells rings with all class materials
- Enter the classroom with a positive "I CAN" attitude
- Take "good notes", practice Algebra daily, and complete assignments
- Strive for good attendance and always be attentive and alert during class
- Complete all assignments as requested
- Be courteous and respectful to others

Failure to comply with the classroom expectations the following consequences will occur:
- 1st infraction = warning
- 2nd infraction= parent contact
- 3rd infraction=parent contact
- 4th infraction= referral to guidance office
- 5th infraction= referral to office