Desoto High School
2018-2019
Course Outline / Syllabus
Algebra I

Instructor: Mrs. Trang Nguyen
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Planning/Conference: 6th Period
Classroom: Room 1806
Tutoring Hours: 3:00pm – 3:30pm Tuesday - Thursday

Parents are encouraged to contact me regarding any concerns regarding your child in my class. You can reach me at my email address or you can leave a message. I will do my best to return emails and/or phone calls within 24 hours.

Course Description: This course addresses all Algebra I Texas Essential Knowledge and Skills (TEKS) and provides the foundation for advanced mathematics courses in high school. The course focuses on algebraic thinking and symbolic reasoning that can be used to generalize mathematical situations; the relationship between equations and functions, and function concepts; representations, tools, and technology for expressing functions; and equations and the underlying mathematical processes of Algebra.

Course Objectives:

- Represent relationships among quantities using a variety of methods such as concrete models, tables, graphs, diagrams, verbal descriptions, equations, and inequalities.
- Interpret situations in terms of given graphs.
- Determine the slope and intercepts of the graphs of linear functions and zeros of linear functions from graphs, tables, and algebraic representations.
- Analyze situations involving linear functions and formulate linear equations or inequalities to solve problems;
- Investigate, describe, and predict the effects of changes in c on the graph of quadratic equations.
- Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.
- Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics;

Course Outline:

1st Semester	Marking Period 1	Unit 1: Linear Expressions, Equations, and Inequalities (one variable) Unit 2: Introduction to Functions Unit 3: Investigation of Linear Functions and Inequalities (two variables)
	Marking Period 2	Unit 4: Applications of Linear Functions Unit 5: Systems of Linear Equations and Inequalities Unit 6: Laws of Exponents, Expressions, and Factoring

2nd Semester	Marking Period 3	Unit 7: Quadratic Equations, including Simplification of Numerical Radical Expressions Unit 8: Investigation and Application of Quadratic Functions Unit 9: Investigation and Application of Exponential Functions
	Marking Period 4	Unit 10: Arithmetic and Geometric Sequences Unit 11: Making Connections Unit 12: Cost Comparison Analysis

Textbook: Glencoe Algebra I

Required Supplies:

- Pencils
- 1 Inch Binder
- 1 Subject Spiral (College Ruled)
- Notebook Paper (College Ruled)

Optional Supplies:

- TI-Nspire CX
- Personal Pencil Sharpener

Grading Policy: Each nine weeks, grades will be based on completion of assignments, test performance, class presentations, class participation, projects and group activities. Grades are available for review at any time before or after school.

Daily Work - 60% - Daily work will consist of class assignments, homework, spiral notes, vocabulary, etc.

- Students must show their work in a neat and orderly fashion in order to receive full credit. Correct answers will be worth 50% of the value of each question. The remainder of the credit will be earned through correct work which is required for all assignments where calculations or explanation is required. If an assignment is turned in without any work shown, the student will not receive credit for the assignment even if answers are correct.
- Students are expected to turn in all work by the due date designated for each assignment.

Quizzes / Test / Projects – 40%

- 4 to 5 quizzes and tests will be given each grading period. There will be 2 tests and a nine week's test per grading period. These tests will cover the concepts covered during class. Students are allowed to retake a failed test for a maximum grade of 70%. Quizzes may be given without prior warning.
- There will be assigned one to two small individual and/or group Algebra I project(s) every nine weeks. Some projects will be assigned and completed in class. Students will be given adequate notice of due dates. Each will be counted as a test grade. Projects will not be accepted late for any reason including absence or school related activities. If a student is absent on the due date for a project, please contact me to make arrangements to ensure their work is turned in on time.

Penalties: All work should be completed in pencil. **WORK IN PEN WILL NOT BE ACCEPTED!!!**

Make-up Policy: Students who are absent will have one day to complete and submit work for each day missed from class. Classwork/Homework penalties are applied if work is not submitted on time.

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Procedures

1. Homework is to be turned in at the beginning of class. It is the student's responsibility to turn it in even if I do not ask for their homework.
2. All work that is turned in is to be completed in pencil and must show the proper heading.
3. In case of an absence, students will be responsible for scheduling make up tests and quizzes to be completed outside of class time. Students shall turn in all homework assignments on the day they return to school.
4. There will be a bell ringer at the beginning of class on most days and needs to be completed within 5 minutes after the bell rings. Bell ringers will often be graded as a weekly average.
5. Calculators will be available for students to use during class. Students shall turn in these calculators at the assigned location prior to leaving class every day.

Tutoring

I will be available for tutoring on Mondays and Wednesdays from 3:00 to 3:30 in my classroom (room 1806 in the academy). Please take advantage of tutoring if you are having trouble with any concepts we are covering during class. A tutoring log will be signed by all students upon arrival and departure. I may be available for tutoring in the morning before school, but students must schedule with me ahead of time.

Expectations

During this school year, students will be provided with the information necessary to pass this course. In order to be successful, I expect students to:

1. Actively participate in classroom discussions, activities and group work.
2. Complete assignments and turn them in on time. This work is essential to practice the concepts we will learn through the year.
3. Come to class with necessary materials.
4. Help each other and work together. (This does not include copying another student's work and students may not collaborate during tests)
5. Show respect for the teacher, yourself, and each other. This includes using respectful language.
6. Give 100% effort.

Classroom Rules

1. When the bell rings at the beginning of class, students are to be seated and ready to begin the lesson.
2. Electronic devices not being used for classroom activities shall be put away. Students will receive consequences for not following the rule.
3. Bring all materials and supplies to class and have them ready by the time the tardy bell rings (including sharpening pencils).

4. Raise your hand and wait until called on to speak.
5. Class is not dismissed until I dismiss it (not the bell).

Consequences

1. Warning.
2. Call home to parent.
3. In school detention and call home to parent.
4. Office referral.

Rewards

1. Recognition of positive behavior
2. A positive phone call or note home.
3. Extra points on daily grades.
4. Class privileges.
5. A great learning experience!

ANY electronic device that is not being used for coursework will be taken up and turned in to the front office. They may be claimed by the parent after school. Refer to the student handbook for additional information.

Mrs. Nguyen's Algebra I Class signature page:
I have read and agree to follow all expectations and procedures of our classroom.

_____ _____

Student Name (Print) Student Signature

_____ _____

Parent Name (Print) Parent Signature

Parent(s) e-mail _____

Please print clearly with the correct casing

Parent(s) home# _____ Parent(s) cell or work# _____

Comments:

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DHS
Determination + Hard Work = Success