

Course Description: Algebra 1

1 Credit – This course is designed for the career-oriented or college-bound student. The Tennessee curriculum in Algebra 1 will further student skills and knowledge in Algebra as well as the following mathematical domains: Number and Quantity, Functions, and Statistics and Probability.

Academic Standards:

Tennessee Algebra 1 Standards can be viewed at the following site:

https://www.tn.gov/content/dam/tn/education/standards/math/stds_math.pdf

State Assessment (TNReady):

Students will prepare for the state-mandated assessment given at the end of the course. Students will prepare to continue to higher level math course work.

*Further information regarding testing and accountability will be given as soon as it is available from the Tennessee Department of Education.

Course Objectives:

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Model with mathematics
- Look for and express regularity in repeated reasoning
- Promote college and career readiness

Course Outline: (The given times and topics are proposed, but may be adjusted per student performance)

1st Quarter:

08/05 – 09/27
Unit 1: Foundations of Algebra
Unit 2: Understanding Functions
Unit 3: Linear Functions

2nd Quarter:

10/07 – 12/20
Unit 3: Linear Equations and Linear Inequalities
Unit 5: Solving Systems of Equations, Modeling with Linear Systems, Piecewise-Defined Functions
Unit 6: Exponents
Semester Review and Exam

3rd Quarter:

01/06 – 03/13
Unit 6: Geometric Sequences, Exponential Functions and Equations
Unit 7: Polynomial Operations (Add, Subtract and Multiply)
Unit 8: Quadratic Functions (Graphing, Intercepts, Zeros, Factors)
Unit 9: Quadratic Equations and Models

4th Quarter:

03/16 – 05/22
Unit 4: Statistical Models, Miscellaneous Topics
TNReady Review/ TNReady Assessment
Radicals

Major Assignments:

- A Common Assessment will be given approximately every 20 days.

Instructional Materials:

- Textbook: *Houghton Mifflin Harcourt (HMH) Algebra 1*.
- Other instructional materials for Algebra 1 will be created from educational software (Kuta, Edulastic, etc).
- All instructional materials will be available on Google Classroom. This includes assignments and lesson videos. To request access to these instructional materials, please email or call me (info is located at the top of this syllabus).

Materials:

- **Required to be provided by student:**
 - Earbuds/headphones
 - 5 Pack Highlighters (Yellow, Green, Blue, Orange, and Pink)
 - 3 Ring Binder - about 2-3 inches: Must be for Algebra use Only
 - Notebook Paper (loose leaf, @ 200 sheets)
 - Pencils
 - Ruler
 - \$5 Math Fee (subject to School Board approval)
- **Recommended:** Calculator: TI-84 Plus, Memory Stick (1-2 g)

Learning Expectations:

- Be in class on time
- Remain focused and on task
- Be prepared to learn EVERYDAY!
- Keep all personal electronics out of sight unless otherwise instructed
- Take responsibility for your own learning
- Respect your peers and the classroom environment

*Your ability to focus and participate is essential for your success. Math is learned by doing.

Classroom Procedures For Absences and Late Work:

- **When absent:**
 - Check Google Classroom -- watch videos - copy notes, etc
 - Upon your return to school:
 - check file folder box for worksheets
- **Make-up Work**
 - Worksheets will be located in the weekly file box and in Google Classroom.
 - Assignments are due within three days of your absence.
- **Late Work is Not Accepted:**
 - Late work refers to students who:
 - were present the day the lesson was assigned
 - received the lesson the day it was assigned

Quizzes and Tests:

- Common Assessments and Semester Exam grades are final.
- Quizzes: corrections may be offered.
- Daily assignments: corrections may be offered.

Grading Policy:

Your final grade for this course will be composed of:

Quizzes	50%	Semester Exams	15% (Q2 & Q4)
*Homework/Daily	35%		

*Homework Grades are calculated including effort and accuracy.

Effort is defined as: the attempt to work out ALL problems in order to get the correct answers.

Accuracy is defined as: correct answers

**All zeros will be replaced by your weekly quiz grade.

***Extra Credit is NOT offered in this class. The expectation is for each student to complete assignments on time and to a level of correctness/completeness which will result in a passing grade.

Your signature below indicates:

- you have read the syllabus in its entirety (student & parent)
- you understand all of the information (student & parent)
- you will comply with all the expectations/procedures (student)
- you will support your student in complying with all the expectations/procedures (parent)

Student Name (Printed): _____ Class Period: _____

Student Signature: _____ Date: ____/____/2021

Parent/Guardian Name (Printed): _____

Parent/Guardian Email: _____

Parent/Guardian Signature: _____ Date ____/____/2021