

Textbook: Algebra 1 – Holt McDougal/ iPad

Price to replace textbook: \$65.00 iPad: \$638.00

Course Description: This one-year course provides students with the necessary knowledge and skills for further studies in mathematics. It is intended to increase mathematical fluency in problem solving, reasoning, modeling, and effective communication in the study of number, algebra, functions, and statistics. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of technology, including calculators and computer software, is an integral part of this course. This course fulfills the Algebra I requirement and one of the mathematics credits required for high school graduation.

I. Course goals

1. To develop the Standards for Mathematical Practice.
2. To extend the properties of exponents to rational exponents and use properties of rational and irrational numbers.
3. To reason quantitatively and use units to solve problems.
4. To interpret the structure of expressions and write expressions in equivalent forms to solve problems.
5. To perform arithmetic operations on polynomials.
6. To create equations that describes numbers or relationships.
7. To understand solving equations as a process of reasoning and explain the reasoning; solve equations and inequalities in one variable; solve systems of equations; and represent and solve equations and inequalities graphically.
8. To understand the concept of a function and use function notation; interpret functions that arise in applications in terms of the context; and analyze functions using different representations.
9. To build a function that models a relationship between two quantities; and build new functions from existing functions.
10. To construct and compare linear, quadratic, and exponential models and solve problems; and interpret expressions for functions in terms of the situation they model.
11. To summarize, represent, and interpret data on a single count or measurement variable; summarize, represent, and interpret data on two categorical and quantitative variables; and interpret linear models.
12. To investigate patterns of association in bivariate data.

II. Course content and time schedule (sequential)

We will cover all content listed in the NVACS through use of the iPad App, textbook and online supplemental materials.

III. Course activities

- a. Communicate and evaluate mathematical thinking based on the use of definitions, properties, rules, and symbols.
- b. Develop and apply strategies to solve a variety of problems.
- c. Translate information into mathematical language and symbols.
- d. Apply technology as a tool in problem solving situations.
- e. Identify, explain, and apply mathematics in everyday life.

IV. Curricular Programs: This year we will continue with the one-to-one iPad for all students in the Algebra 1 classes. This program loans an iPad to your student for the entire school year. The iPad is an incredible student resource that will allow your student to explore the course content in ways a "regular" textbook would not allow. Along with the textbook, the students will

have access to several other apps to assist them in Algebra 1. Students are responsible for transporting the iPads between home and school, and are required to bring them to class daily fully charged.

V. Evaluation

a. Participation/Homework/Classwork-20%

b. Assessments/Tests/quizzes/ -80%

c. Semester exams will be worth 20% of the SEMESTER grade. Semester exams will not be administered early. Students who are absent may make-up their exams on the district approved make-up day.

d. Explanation of student grades

i.	A	100 – 90%
ii.	B	89 – 80%
iii.	C	79 – 70%
iv.	D	69 – 60%
v.	F	59 and below

e. How and when students will be advised of their grades

- Parents and students are urged to check the Infinite Campus Portal for grades regularly.
- Quarterly progress reports
- Quarterly Report cards

f. Citizenship/behavior expectations

Citizenship is taken very seriously here at Leavitt Middle School. Teachers expect the very best from their students every day. Students are expected to bring supplies to class, pay attention, stay on task, talk when appropriate, be respectful to all teachers and students, avoid nuisance items, such as cell phones and toys, and not chew gum or eat in class. Students who cannot work within these expectations will have points deducted from their citizenship grades. Other actions which disrupt the learning environment of the classroom or other students will also be documented and points will be lost.

Below is the scale for citizenship

Lost Points will earn

- 0-2- Outstanding-O
- 3-5 –Satisfactory-S
- 6-8 -Needs Improvement-N
- 9 or more- Unsatisfactory-U

g. Late Work policy

Late work is accepted up to until one week prior to end of quarter after the due date for 70% of the credit . No credit given after this date.

If a student does not complete any assignment (for reasons other than an absence), they will be assigned a make-up work detention the following school day from 3:30 to 4:25 EVEN if they turn the assignment in the next school day.

h. Test retake policy – **A student may only retake a test if 1) all assignments have been turned in 2) the student has asked for help, clarification, or exhibited evidence of further studying and a further mastery of the subject matter.**

At the discretion of the instructor retakes will either consist of students fixing mistakes on original test for 50% additional credit per mistake or a full test retake of a similar test. This will be announced after the original test has been taken by all students. Only one retake is allowed for each test over 10 points. Short lesson quizzes are exempt from being retaken. Test corrections or test retakes must be completed in one week (School days) after test is returned. Copies of tests will be available for students online. Semester exams are not eligible for retakes. Semester exams are not eligible for check out. Students will be provided a practice semester exam online.

VI. School-Wide Rules

- a. Follow directions quickly.
- b. Raise your hand for permission to speak.
- c. Raise your hand for permission to leave your seat

- d. Make SMART Choices: Kindness, Leadership, Courage, Invincible Grit, Creativity
- e. Work hard to do your best for your teachers and parents at all times.
- f. Keep your eyes on the target.

VII. TARDY POLICY – Progressive Steps

- a. 1st Tardy – Warning & Parent Phone Contact
- b. 2nd Tardy – Warning & Parent Phone Contact
- c. 3rd Tardy – Non-TRS RPC
- d. 4th Tardy – After School Detention
- e. 5th Tardy – In-House Suspension (IHS)
- f. 6th Tardy – Required Parent Conference – RPC/Tardy Contract
- g. 7th Tardy – IHS/parent and student meet with the principal

VII. BEHAVIOR- Progressive Discipline

- a. 1st Incident – Verbal warning
- b. 2nd Incident - Parent contact by teacher
- c. 3rd Incident – Written contact to parent
- d. 4th Incident – Counselor referral
- e. 5th Incident – Deans' referral

VIII. Supplies needed for this course

- Notebook for notes (graph paper notebook recommended)
- 1 package of Graph paper
- Pencils for everyday
- Binder/folder for papers can be shared with other classes
- package of “AAA” batteries for use in classroom calculators

IX. Utilizing technology to learn – At Leavitt, we want to encourage the daily use of technology in and out of the classroom to further enhance the educational experience. As such, Leavitt will be providing students with individual devices in all grades to utilize in class and at home. Students will also be provided with a Google email address to correspond with their teacher and classmates on projects, as well as to turn in assignments. Students may choose to utilize their own electronic tablets (iPads, Kindle Fire, Samsung, etc.) cell phones, laptops, and reading devices for educational purposes. Please be reminded that your student is responsible for the safety of their personal device and must utilize the district's Wi-Fi to ensure their internet safety. All use of these devices will be for educational purposes and must be approved by the individual teacher.

X. Teacher's hours of availability

Daily before and after school (8:30 am -3:41pm) please by appointment in case I have a meeting.