

# Algebra I

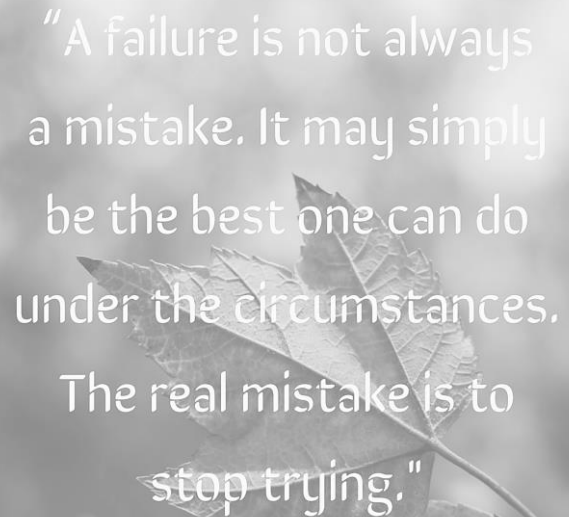
Cynthia Schopke

**Phone:** (770) 819-2611  
Extension: 1612

**Tutoring:** Tuesday and  
Thursday 3:40 – 4:40

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cynthia.schopke@cobbk12.org

**Website:**  
CTLSLEARN.COBBK12.ORG



"A failure is not always a mistake. It may simply be the best one can do under the circumstances. The real mistake is to stop trying."

## COURSE DESCRIPTION:

In this class, we will acquire skills and strategies to interpret and manipulate algebraic expressions, equations and inequalities, tables, and graphs. The skills taught in this course will be essential for success in subsequent coursework such as Geometry and Algebra II. **Rest assured, mistakes will be expected, respected, inspected, and corrected.**

Throughout this semester, we will grow in our appreciation of and confidence in our mathematical ability as we build upon our mathematical knowledge, understanding, and proficiency on a daily basis via individual determination. The fundamental purpose of Algebra I is to formalize and extend the mathematics students learned in the middle grades.

## OBJECTIVES:

We will:

- utilize and understand algorithms used in solving algebraic equations
- create and interpret models of functional relationships including linear, quadratic, and exponential functions, including arithmetic and geometric sequences
- become smarter every day

## UNITS:

This course is separated into six major units.

1. Analyzing Quantities and Expressions
2. Reasoning with Linear Equations and Inequalities
3. Modeling and Analyzing Quadratic Functions
4. Modeling and Analyzing Exponential Functions
5. Comparing and Contrasting Functions
6. Describing Data

Standards can be found at <http://alturl.com/xf6c>.

## MATERIALS:

You need the following materials.

- Pencils
- Erasers
- Composition Notebook
- ½" Binder OR Durable Folder
- Loose Leaf Paper
  - college ruled (required)
  - graph (optional)

We normally provide the following materials, but you may desire to purchase the following for yourself.

- TI-30XS Multiview Calculator •
- Glue stick
- Colored pens/pencils •
- Highlighters •
- Scissors •

## GRADING:

Grading for this class will be done using weighting rather than just points. This means that an assessment may affect your grade more than an assignment. Be sure to check studentVUE and parentVUE weekly for updates to grades.

A	90 – 100%
B	80 – 89%
C	74 – 79%
D	70 – 73%
F	0 – 69%

## ASSIGNMENT WEIGHTS:

Category	Weight
Unit Tests	40%
Daily Checks (miniquizzes)	20%
Formative (classwork and homework)	20%
EOC	20%

## MAKEUP/LATE WORK:

In the event of an absence, students should check CTLS to catch up with notes and watch videos to attempt to learn missed content. However, there is no replacement for classroom learning opportunities. A habit of good attendance is strongly encouraged to maximize learning potential.

In the event a student misses a test or quiz, students will need to come to tutoring times to take the test after school. **Missed tests and quizzes will be entered into the gradebook as a zero until the they are taken at a designated tutoring time.**

When students are not absent but miss a due date on an assignment, late work will be accepted for a maximum score of 80%.

## REASSESSMENT:

There is no extra credit available in this class. We will be covering content quickly. Expect to practice daily. Do not expect a quick fix to your grade if it reaches an unsatisfactory level.

However, we understand students may learn different concepts at different rates. Consequently, **any unit test grade below 80% can be retaken following completion of required remediation assignments which includes participating in two tutoring sessions.** The deadline for retakes will be the date of the following unit test.

In conclusion, do not think low grades are beyond recovery. Also do not think there are shortcuts to this class. Think about it. If a student received an unearned grade in 9<sup>th</sup> grade, how will 10<sup>th</sup> grade go?

## ONLINE RESOURCES:

- Remind
  - Students can use the remind app and class code “@schopke1” to receive messages in an app rather than in text messages. Students can also go to remind.com to see their messages after enrolling in class.
- Delta Math
  - Any student can create an account at deltamath.com using the code **546288** and see suggested assignments. A solution is shown after every problem which can be studied to gain enough understanding to try a new one.
- CTLS
  - We will continue to use ctls found at ctlslearn.cobbk12.org as a resource for class content which will be invaluable in the event of an absence or difficult content.

## ACADEMIC INTEGRITY:

It is the teacher’s expectation that all students exhibit academic integrity on all assignments. That is, students should only show work that they were able to generate using their own reasoning.

It will be considered cheating any time a student solicits, receives, or offers unauthorized help on any classwork, homework, projects, special assignments, and tests. This includes copying another student’s work, using computer-generated solutions, or overly relying on outside assistance.

Whenever a student is guilty of cheating, the teacher shall collect the student's paper, mark a zero for the work and notify the parent(s) and the appropriate administrator. When writing reports, presentations, essays, projects, etc., students must give credit to all sources used, including the internet. If caught cheating, reassessment policy does not apply. Additionally, students who do not attempt work with academic integrity will fall behind in the course due to gaps in understanding.

**GRADING SCALE:** When applicable, quiz and test questions will be graded according to the following scale.

<b>4 Appropriately uses concepts and generates correct answer.</b> All necessary work is shown and is neat and readable. Mathematical representation is actively used as a means of communicating ideas related to the solution of the problem.	Thorough, clear, thoughtful, and correct
<b>3 Appropriately uses accurate mathematical representation.</b> Uses a strategy that leads to a solution of the problem that is not correct due to calculation errors or careless mistakes. All necessary work is shown but work is sloppy but readable.	Thorough, thoughtful, and mostly correct
<b>2 Uses a strategy that is partially useful,</b> leading some way toward a solution but not to a full solution of the problem. Work is sloppy or questions are not discernable. Work is incomplete or explanation may not be clearly presented.	Thoughtful but incomplete
<b>1 Provides answers only or leaves mostly incomplete.</b> The solution doesn't address any of the mathematical components presented in the problem. Work is sloppy work and questions are not discernable. There is no use or inappropriate use of mathematical representations.	Incomplete, unclear, and lacking understanding
<b>0 Generates no solution.</b>	Blank

Dear Parent/Guardian:

Your son/daughter is now taking their first or second high school math class. As a high school student, they should begin to experience the relationship between age and weight of responsibilities. I do my best to hold students accountable to a manageable amount of coursework appropriate to their age and essential both for learning our curriculum and career success. I say this to point out you should see your son/daughter doing work for my class often, but I think they can handle it. They're not adults yet though. Please continue to support your son/daughter as they transition into high school (and so colleges and/or careers). The first thing you can do to support them is learning about my class. Ask them how class went, ask what they learned or felt, review this information sheet with them, and help them make a plan for success.

I hope we all have had a satisfactory first day of school and will have a blessed semester.

C. E. Schopke

P.S. Feel free to contact me first at [cynthia.schopke@cobbk12.org](mailto:cynthia.schopke@cobbk12.org).

### Thanks for reading!

- I have read the syllabus and understand all expectations set forth for Ms. Schopke's GSE Algebra 1 class.

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_

Guardian Name: \_\_\_\_\_ Guardian Signature: \_\_\_\_\_

Best way to reach guardian: \_\_\_\_\_

Comments, questions, or concerns: