

**Algebra Concepts and Connections A/B with Support Syllabus**  
**Cartersville High School 2024-2025**

**Teacher:** Leslie Nix

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**Purpose:** Algebra Concepts and Connections A/B complete the first course in a sequence of three required high school math classes designed to ensure career and college readiness. Students will apply their mathematical reasoning skills to make sense of problems involving algebra, geometry and statistics. This course provides additional support to students in their effort to meet the standards of more rigorous and relevant mathematics courses by allowing extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

**Units of Study:**

**Unit 1:** Modeling Linear Functions

**Unit 2:** Analyzing Linear Inequalities

**Unit 3:** Investigating Rational and Irrational Numbers

**Unit 4:** Modeling and Analyzing Quadratic Functions

**Unit 5:** Modeling and Analyzing Exponential Expressions and Equations

**Unit 6:** Analyzing Exponential Functions

**Unit 7:** Investigating Data

**Unit 8:** Algebraic Connections to Geometry Concepts

A full list of the standards can be found at [www.georgiastandards.org](http://www.georgiastandards.org)

**Method of Evaluation:** Grades are based on daily assignments, homework, quizzes, tests, performance tasks, etc. At the end of Semester 1, students will earn 0.5 credits for Algebra A and 0.5 credits for Algebra A Support. At the end of Semester 2, students will earn 0.5 credits for Algebra B and 0.5 credits for Algebra B Support.

**Course Grade:** The semester grades are made up of a combination of Formative (40%) and Summative (60%) assessments. At the end of first semester (part A), the Final Course Average is calculated with 90% (semester grade) and the Final Exam, 10%. At the end of second semester (part B), the Final Course Average is calculated with 80% (semester grade) and the End of Course Test, 20%.

**Supplies Needed:** 3- Ring Binder, Composition Notebook, Pencils, Notebook Paper, Graph Paper, Glue Sticks and Dry Erase Markers

**\*Students are required to have their own calculator for assignments. The TI-36X Pro or TI-XS Multi-View are excellent choices.**

**Resources:**

**Schoology:** This site will be used to post class notes, handouts, and various resources/answer keys and is very useful in the event that you are absent or have misplaced class materials. This is where all digital learning assignments will be posted. Students are expected to log in daily for virtual learning. Parents and students can access Schoology through the CHS homepage and login with their lunch number and birthday.

**IXL:** We will be using [IXL](https://www.ixl.com) to support our curriculum this year and students will have access to this online learning program at home. With thousands of skills that match what we are learning, as well as insights into student progress, IXL is a great resource to help your child excel.

**Desmos:** Desmos.com is a free suite of online math tools, including an online scientific and graphing calculator that students can access both in school and at home.

**Progress Learning:** This is an online program designed as a curriculum resource that provides review of content, focused support and test preparation.

### **Classroom Policies and Expectations:**

All students are expected to follow the Canes Code, both in the classroom and during virtual instruction. In addition, please keep these **BE** attitudes in mind at all times:

- A. **BE** on time.
- B. **BE** prepared.
- C. **BE** respectful.
- D. **BE** on task.

Please remember that **YOU** and only **YOU** are responsible for your own choices and actions. Classroom discipline infractions will be handled according to the list below:

- 1st infraction: Warning
- 2nd infraction: Student/Teacher Conference
- 3rd infraction: Parent Contact
- 4<sup>th</sup> infraction: Teacher detention
- Any further infraction: Office referral

**\*\*\*Please note: Violating dress code, use of cell phones/electronic devices, fighting, insubordination, and extreme disrespect will be an automatic office referral\*\*\***

### **Parent Notes:**

All parents and students are encouraged to monitor grades online via Infinite Campus. This will allow the parent to access their child's grades, attendance, etc. Parents can set up the system to send email updates regarding their child and parents can also download the Infinite Campus Mobile app and receive instant grade updates, etc.

Please note that most of what we do in class will be posted digitally on Schoology. Schoology is also a great resource for when students have to be absent. Students can message teachers easily via Schoology and can expect timely feedback. Students are expected to log into Schoology daily for digital instruction.

Free after school tutoring will be available. More information will be forthcoming. Additional math support is also available during the first and second sessions of FAB Wednesdays.

Parents may call me at the school (770-382-3200) ext. 5530, or e-mail me at [lnix@cartersvilleschools.org](mailto:lnix@cartersvilleschools.org) with questions or concerns. My webpage can be found at <https://www.cartersvilleschools.org/Page/4455> I will call, e-mail, and send home information to parents concerning student's academic progress. Most of this will be done through the school's messaging system, so it is essential that you make sure all contact information is up to date in our system. This can easily be done via our [Cartersville City Schools Mobile App](#)

Thank you for the privilege of teaching your child this semester. I firmly believe education is a team effort, so I welcome and encourage input from both parents and students. Please know the communication lines are always open!

*Please keep this copy for your records.  
(This document will also be uploaded in Schoology)*

*Please sign and return a completed  
acknowledgement and information form*

# Parent/Guardian Contact Information and Acknowledgement Form

Please sign below. This acknowledges that you have read and understand the information/expectations provided in the Syllabus for Algebra Concepts and Connections A/B with Support.

Student's PRINTED Name \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Parent/Guardian PRINTED Name \_\_\_\_\_

Parent/Guardian Signature \_\_\_\_\_ Date \_\_\_\_\_

## Parent/Guardian Contact Information

(If Guardian is other than parent, please indicate relationship)

Mother's (Guardian) Name: \_\_\_\_\_

Cell Phone Number: \_\_\_\_\_

Preferred Email Address: \_\_\_\_\_

Father's (Guardian) Name: \_\_\_\_\_

Cell Phone Number: \_\_\_\_\_

Preferred Email Address: \_\_\_\_\_

Any special notes/circumstances that would benefit your child in the classroom:

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