

Algebra: Concepts & Connections

Algebra: Concepts & Connections is the first course in a sequence of three required high school courses designed to ensure career and college readiness.



When will my student take Algebra: Concepts & Connections?

Algebra: Concepts & Connections is typically taught in the 9th grade in the Barrow County School System. The pre-requisite for this course is successful completion of 8th grade mathematics. Students typically move to Geometry: Concepts & Connections after completing this course.

What do students learn?

Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics.

Click here for access to the Georgia K-12 Math Standards:
[Algebra: Concepts & Connections Standards](#)

Click here for access to the BCSS Curriculum Map:
[BCSS Algebra: Concepts & Connections Curriculum Map](#)

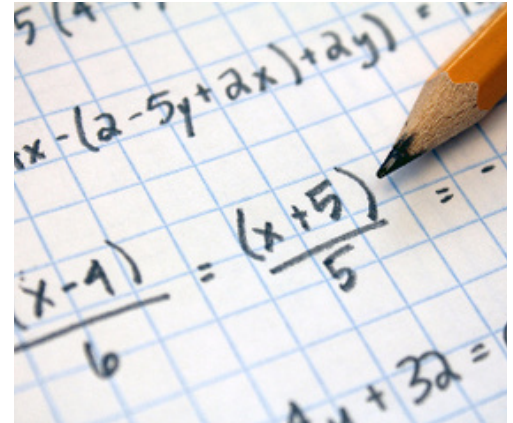
The Barrow County School system uses an Algebra curriculum developed by [Open Up Resources](#), which is also used for mathematics in the middle grades.

The Open Up High School Mathematics pathway helps students learn by building connections between conceptual understanding, mathematical representations and modeling, and abstract thinking.

How can I help my student?

The Georgia End of Course Milestone counts as **20% of your student's final course average**. There are several ways that you can assist your student to be successful in Algebra: Concepts & Connections:

- Encourage your student to attend school each day so that there are no interruptions in the learning process.
- Encourage your student to ask questions before, during, and after class.
- Provide a quiet study area for your student that is free of distractions such as cell phones, televisions, and other electronic devices.
- Encourage your student to reach out to their teacher for extra tutoring or help.



Algebra Resources

Teacher as a Resource

Your student's teacher likely has opportunities for tutoring and additional help. Encourage your student to reach out to the teacher to see what opportunities are available.

Check the course syllabus for any resources that your student's teacher recommends.

Other Online Resources
[Khan Academy Algebra I Course](#)