

Mathematics

The Mathematics standards focus on what students should know about math as well as how students apply and extend math principles.

Standards for Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Sample Mathematics 3rd grade task that measures fluency:

Which of the following equations are true?

- $8 \times 9 = 81$
- $54/9 = 26/6$
- $7 \times 5 = 25$
- $8 \times 3 = 4 \times 6$
- $49/7 = 56/8$



The Common Core Georgia Performance Standards ...

- are aligned with college and work expectations;
- are clear, understandable, and consistent;
- include rigorous content and application of knowledge through high-order skills;
- build upon strengths and lessons of current state standards;
- are informed by other top-performing countries so that all students are prepared to succeed in our global economy and society; and
- are evidence-based.

“We want to raise the bar dramatically in terms of higher standards. We want common, career-ready internationally benchmarked standards.”

—U.S. Education Secretary Arne Duncan



Department of Teaching and Learning
130 Trinity Avenue, S.W.
Atlanta, Georgia 30303
www.atlantapublicschools.us

404.802.2650



Common Core

GEORGIA PERFORMANCE STANDARDS
for Parents



What are the Common Core Georgia Performance Standards?

The Common Core Georgia Performance Standards were adopted by the state of Georgia in fall 2012. Georgia, like forty-five states across the nation, have recognized that it is important to have a set of standards that communicate clear expectations for students by outlining the specific skills and knowledge that students should master by the end of each grade level. These standards also provide a common language for students, parents, teachers, and school administrators to ensure that everyone is working toward shared goals.

Developed through a partnership with the Council of Chief State School Officers and the National Governor's Association, these standards outline what students should know and be able to do, but do not specify how teachers should teach, what materials should be used, or what curriculum should be used for instruction. Decisions such as these continue to be made by the state and the district.

The Common Core standards for Literacy in English/Language Arts, History, Science and the Technical Subjects outline specific skills for students in the areas of reading, writing, speaking and listening at each grade level.



Key Features of the Literacy Standards

READING: Text complexity and growth of comprehension

These standards place equal emphasis on the sophistication of what students read and the skill with which they read.

WRITING: Text types, responding to reading, and research

These standards highlight that although the process of writing (planning, revising, editing and publishing) apply to many types of writing, there are other skills that are required for writing arguments, informative/explanatory texts, and narratives.

SPEAKING AND LISTENING: Flexible communication and collaboration

These standards require students to develop a range of broadly useful oral communication

and interpersonal skills in addition to those needed for formal presentations.

LANGUAGE: Conventions (grammar), effective use, and vocabulary

These standards address the essential "rules" of standard written and spoken English. In addition, they also focus on language and how it is used as part of writing craft and style.

Sample English/Language Arts task for 3rd grade using informational text:

Students read Robert Coles' retelling of a series of historical events in *The Story of Ruby Bridges*. Using their knowledge of how cause and effect gives order to events, they use specific language to describe the sequence of events that leads to Ruby desegregating her school. [RI.3.3]

The Common Core State Standards provide a consistent, clear understanding of what students are expected to learn, so teachers and parents know what they need to do to help them. The standards are designed to be robust and relevant to the real world, reflecting the knowledge and skills that our young people need for success in college and careers. With American students fully prepared for the future, our communities will be best positioned to compete successfully in the global economy."

—Common Core State Standards Initiative

