# READING

#### ELA4R1

#### The student demonstrates comprehension and shows evidence of a warranted and responsible explanation of a variety of literary and informational texts.



#### READING

#### ELA4R2

The student consistently reads at least twenty-five books or book equivalents (approximately 1,000,000 words) each year. The materials should include traditional and contemporary literature (both fiction and non-fiction) as well as magazines, newspapers, textbooks, and electronic material. Such reading should represent a diverse collection of material from at least three different literary forms and from at least five different writers.



### READING ELA4R3 The student understands and acquires new vocabulary and uses it correctly in reading and writing.



#### READING ELA4R4

The student reads aloud, accurately (in the range of 95%), familiar material in a variety of genres, in a way that makes meaning clear to listeners.



# WRITING

#### ELA4W1

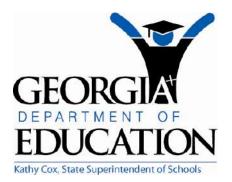
The student produces writing that establishes an appropriate organizational structure, sets a context and engages the reader, maintains a coherent focus throughout, and signals a satisfying closure.



### WRITING **ELA4W2** The student demonstrates competence in a variety of genres including narrative, informational, persuasive, and response to literature.



## WRITING ELA4W3 The student uses research and technology to support writing.

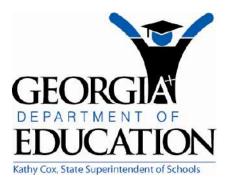


### WRITING ELA4W4 The student consistently uses a writing process to develop, revise, and evaluate writing.



### **CONVENTIONS** ELA4C1

The student demonstrates understanding and control of the rules of the English language, realizing that usage involves the appropriate application of conventions and grammar in both written and spoken formats.

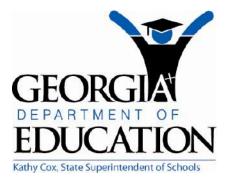


LISTENING/SPEAKING/ VIEWING ELA4LSV1 The student participates in student-to-teacher, student-tostudent, and group verbal interactions.





#### LISTENING/SPEAKING/ VIEWING ELA4LSV2 The student listens to and views various forms of text and media in order to gather and share information, persuade others, and express and understand ideas.



### Students will further develop their understanding of how whole numbers and decimals are represented in the base-ten numeration system.

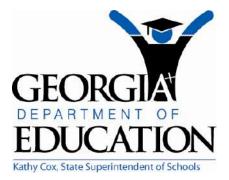


## NUMBER AND OPERATIONS **M4N2** Students will understand and apply the concept of rounding

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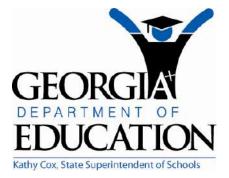
numbers.





#### **Students will solve problems** involving multiplication of 2-3 digit numbers by 1 or 2 digit numbers.

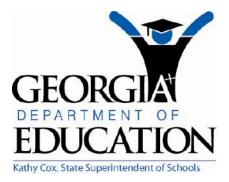




#### **Students will further develop their** understanding of division of whole numbers and divide in problem solving situations without calculators.



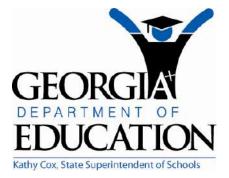
#### Students will further develop their understanding of the meaning of decimals and use them in computations.



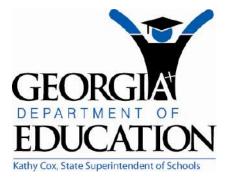
### Students will further develop their understanding of the meaning of decimal fractions and common fractions and use them in computations.



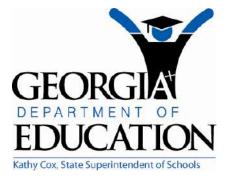
### Students will explain and use properties of the four arithmetic operations to solve and check problems.



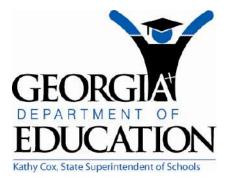
## MEASUREMENT **M4M1 Students will understand the** concept of weight and how to measure weight.



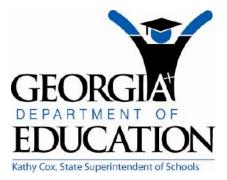
### MEASUREMENT **M4M2 Students will understand the** concept of angles and how to measure them.



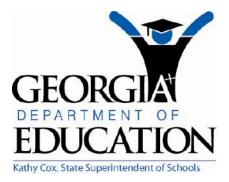
### GEOMETRY **M4G1** Students will define and identify the characteristics of geometric figures through examination and construction.



## **GEOMETRY** M4G2 Students will understand fundamental solid figures.



## **GEOMETRY M4G3 Students will use the coordinate system.**



### ALGEBRA **M4A1** Students will represent and interpret mathematical relationships in quantitative

expressions.





## DATA & ANALYSIS

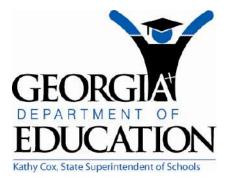
**M4D1** 

Students will gather, organize, and display data according to the situation and compare related features.



## **PROCESS STANDARDS M4P1 Students will solve problems** (using appropriate technology).

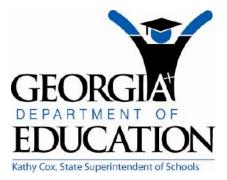




## **PROCESS STANDARDS M4P2** Students will reason and evaluate mathematical arguments.



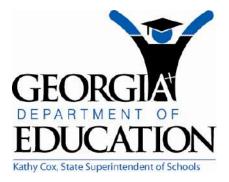
## PROCESS STANDARDS M4P3 Students will communicate mathematically.



#### PROCESS STANDARDS

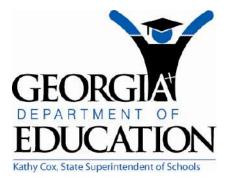
#### **M4P4**

### Students will make connections among mathematical ideas and to other disciplines.



## **PROCESS STANDARDS M4P5** Students will represent mathematics in multiple ways.





#### **S4CS1**

**Students will be aware of the importance of** curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.



#### **S4CS2**

**Students will have the** computation and estimation skills necessary for analyzing data and following scientific explanations.



#### **S4CS3**

#### Students will use tools and instruments for observing, measuring, and manipulating objects in scientific activities utilizing safe laboratory procedures.



#### **S4CS4**

**Students will use the ideas of** system, model, change, and scale in exploring scientific and technological matters.



#### **S4CS5**

### Students will communicate scientific ideas and activities clearly.





## HABITS OF THE MIND **S4CS6 Students will question scientific** claims and arguments effectively.



## **NATURE OF SCIENCE S4CS7** Students will be familiar with the character of scientific knowledge and how it is achieved.



# NATURE OF SCIENCE

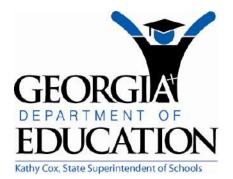
#### **S4CS8**

### Students will understand important features of the process of scientific inquiry.



**S4E1** 

### Students will compare and contrast the physical attributes of stars, star patterns, and planets.



**S4E2** 

Students will model the position and motion of the earth in the solar system and will explain the role of relative position and motion in determining sequence of the phases of the moon.



**S4E3** 

Students will differentiate between the states of water and how they relate to the water cycle and weather.



**S4E4** 

Students will analyze weather charts/maps and collect weather data to predict weather events and infer patterns and seasonal changes.



## PHYSICAL SCIENCE

#### **S4P1**

### Students will investigate the nature of light using tools such as mirrors, lenses, and prisms.



### **PHYSICAL SCIENCE**

**S4P2** 

**Students will demonstrate how** sound is produced by vibrating objects and how sound can be varied by changing the rate of vibration.



### **PHYSICAL SCIENCE**

**S4P3** 

**Students will demonstrate the** relationship between the application of a force and the resulting change in position and motion on an object.



## LIFE SCIENCE **S4L1 Students will describe the roles of** organisms and the flow of energy within an ecosystem.



### **LIFE SCIENCE**

**S4L2** 

Students will identify factors that affect the survival or extinction of organisms such as adaptation, variation of behaviors (hibernation), and external features (camouflage and protection).

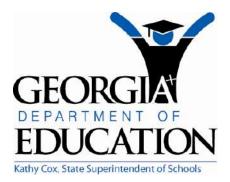


### HISTORICAL UNDERSTANDINGS SS4H1

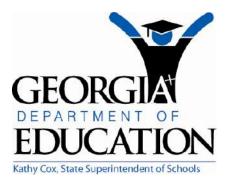
#### The student will describe how early Native American cultures developed in North America.



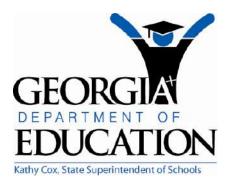
### HISTORICAL UNDERSTANDINGS SS4H2 The student will describe European exploration in North America.



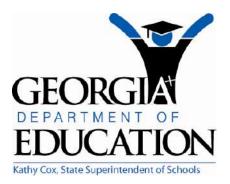
### HISTORICAL UNDERSTANDINGS SS4H3 The student will explain the factors that shaped British colonial America.



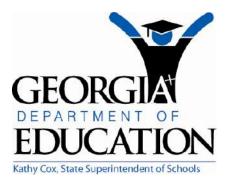
### HISTORICAL UNDERSTANDINGS SS4H4 The student will explain the causes, events, and results of the American Revolution.



### HISTORICAL UNDERSTANDINGS SS4H5 The student will analyze the challenges faced by the new nation.

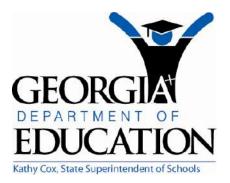


### HISTORICAL UNDERSTANDINGS SS4H6 The student will explain westward expansion of America between 1801 and 1861.



## HISTORICAL UNDERSTANDINGS SS4H7

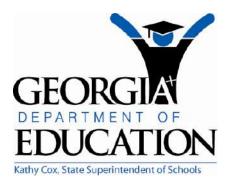
#### The student will examine the main ideas of the abolitionist and suffrage movements.



# **GEOGRAPHIC UNDERSTANDINGS**

#### **SS4G1**

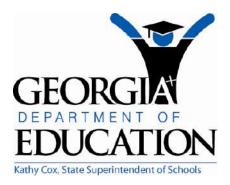
#### The student will be able to locate important physical and man-made features in the United States.



#### **GEOGRAPHIC UNDERSTANDINGS**

#### **SS4G2**

#### The student will describe how physical systems affect human systems.



#### **GOVERNMENT / CIVIC UNDERSTANDINGS**

#### SS4CG1

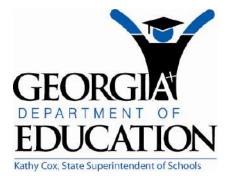
The student will describe the meaning of:

- a. Natural rights as found in the Declaration of **Independence** (the right to life, liberty, and the pursuit of happiness;
- **b.** "We the people" from the Preamble to the U.S. **Constitution as a reflection of consent of the** governed or popular sovereignty; c. The federal system of government in the U.S.





**GOVERNMENT / CIVIC UNDERSTANDINGS** SS4CG2 The student will explain the importance of freedom of expression as guaranteed by the First Amendment to the U.S. **Constitution.** 



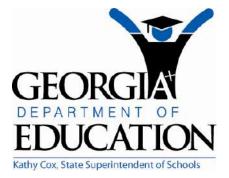
### GOVERNMENT / CIVIC UNDERSTANDINGS SS4CG3 The student will describe the functions of government.



**GOVERNMENT / CIVIC UNDERSTANDINGS** SS4CG4 The student will explain the importance of Americans sharing certain central democratic beliefs and principles, both personal and civic.



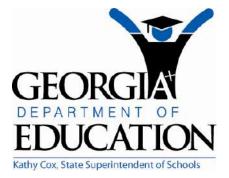
#### **GOVERNMENT / CIVIC UNDERSTANDINGS** SS4CG5 The student will name positive character traits of key historical figures and government leaders (honesty, patriotism, courage, trustworthiness).



#### **ECONOMIC UNDERSTANDINGS**

#### **SS4E1**

The student will use the basic economic concepts of trade, opportunity cost, specialization, voluntary exchange, productivity, and price incentives to illustrate historical events.



#### **ECONOMIC UNDERSTANDINGS**

#### **SS4E2**

The student will identify the elements of a personal budget and explain why personal spending and saving decisions are important.

