



Georgia Assessments for the Certification of Educators®

GACE® Elementary Education Assessment

Test at a Glance

Updated June 2019

See the GACE® Elementary Education Assessment Study Companion for practice questions and preparation resources.

Assessment Name	Elementary Education
Grade Level	P–5
Test Code	Test I: 001 Test II: 002 Combined Test I and Test II: 501
Testing Time	Test I: 2 hours Test II: 2 hours Combined Test I and Test II: 4 hours
Test Duration	Test I: 2.5 hours Test II: 2.5 hours Combined Test I and Test II: 5 hours
Test Format	Computer delivered
Number of Selected-response Questions	Test I: 75 Test II: 75 Combined Test I and Test II: 150
Question Format	The test consists of a variety of short-answer questions such as selected-response questions, where you select one answer choice or multiple answer choices (depending on what the question asks for), questions where you enter your answer in a text box, and other types of questions. You can review the possible question types in the <i>Guide to Taking a GACE Computer-delivered Test</i> .
Number of Constructed-response Questions	Test I: 2 Test II: 0 Combined Test I and Test II: 2

About this Assessment

The GACE Elementary Education assessment is designed to measure the professional knowledge of prospective teachers of Elementary Education in the state of Georgia.

This assessment includes two tests. You may take either test individually or the full assessment in a single session. The testing time is the amount of time you will have to answer the questions on the test. Test duration includes time for tutorials and directional screens that may be included in the test. The questions in this assessment assess both basic knowledge across content areas and the ability to apply principles.

The total number of questions that are scored is typically smaller than the total number of questions on the test. Most tests that contain selected-response questions also include embedded pretest questions, which are not used in calculating your score. By including pretest questions in the assessment, ETS is able to analyze actual test-taker performance on proposed new questions and determine whether they should be included in future versions of the test.

Content Specifications

Each test in this assessment is organized into content **subareas**. Each subarea is further defined by a set of **objectives** and their **knowledge statements**.

- The objectives broadly define what an entry-level educator in this field in Georgia public schools should know and be able to do.
- The knowledge statements describe in greater detail the knowledge and skills eligible for testing.
- Some tests also include content material at the evidence level. This content serves as descriptors of what each knowledge statement encompasses.

See a breakdown of the subareas and objectives for the tests in this assessment on the following pages.

Test I Subareas

Subarea	Approx. Percentage of Test
I. Reading and Language Arts	50%
II. Social Studies	25%
III. Analysis (constructed-response only)	25%

Test I Objectives

Subarea I: Reading and Language Arts

Objective 1: Understands and applies knowledge of reading for literature and reading for information

The beginning Elementary Education teacher:

- A. Knows ways to promote students' comprehension of informational text and literature and to integrate knowledge and ideas
- B. Knows how to help students identify and evaluate common types of texts
- C. Knows ways to help students interpret words and phrases as they are used in a text, and analyze and describe how a series of words, phrases, or stanzas provides the overall structure of a text

Objective 2: Understands and applies knowledge of foundational skills to literacy development, fluency, and comprehension

The beginning Elementary Education teacher:

- A. Understands key ideas relevant to the foundations of literacy and reading development and the stages of early orthographic development
- B. Understands the roles of phonological awareness, phonics, and word-recognition skills in literacy development
- C. Understands the role of fluency in supporting comprehension

Objective 3: Understands and applies knowledge of the writing process and uses of tools and resource materials

The beginning Elementary Education teacher:

- A. Knows how to help students produce clear and coherent writing using the stages of the writing process to compose opinion, informative, explanatory, persuasive, and narrative texts
- B. Knows how to promote students' use of resource materials and digital tools to produce and publish writing in collaboration with peers

Objective 4: Understands and applies knowledge of speaking, listening, and presenting

The beginning Elementary Education teacher:

- A. Knows strategies to foster students' participation in collaborative conversations with diverse partners about grade-appropriate topics and is able to confirm students' understanding of written text
- B. Knows ways to help students develop skills necessary for speaking, listening, and presenting and that are appropriate to task, purpose, and audience

Objective 5: Understands and applies knowledge of English-language grammar and vocabulary development

The beginning Elementary Education teacher:

- A. Knows the conventions of standard English grammar, punctuation, and spelling when writing, reading, speaking, or listening
- B. Understands the basic components of vocabulary and knows a variety of strategies to help students determine the meaning of unknown words

Subarea II: Social Studies

Objective 1: Understands and applies knowledge of information processing skills

The beginning Elementary Education teacher:

- A. Knows how to help students locate, analyze, and synthesize information related to social studies topics and apply that information to solve problems and make decisions

Objective 2: Shows historical understandings and applies history processes

The beginning Elementary Education teacher:

- A. Knows the important people, events, and symbols of the United States and Georgia and can explain their meaning
- B. Understands the concept of chronology and can identify, explain, and analyze the significance/contribution of important figures and cultures in the history of Georgia
- C. Understands the political roots of democracy in the United States and the lives of Americans who expanded people's rights and freedoms
- D. Knows how Native American cultures developed in North America
- E. Is familiar with European exploration in North America and the factors that shaped British colonial America
- F. Knows the causes, events, and results of the American Revolution and the challenges that faced the new nation
- G. Knows the importance of key people, events, and developments in the history of the United States between 1860 and 1945
- H. Understands the importance of key people, events, and developments in the United States between 1950 and the present

Objective 3: Understands and applies knowledge of geography concepts and processes

The beginning Elementary Education teacher:

- A. Is familiar with the influence of United States culture and geographic systems on physical and human systems
- B. Knows how to use maps and globes to foster students' understanding of spatial patterns of economic activities and to locate significant topographical features, including physical and manufactured features, in the United States, Georgia, and the world

Objective 4: Understands and applies knowledge of government, civics, economics, and their processes

The beginning Elementary Education teacher:

- A. Understands the concept of government and good citizenship and can use stories, important documents, and knowledge of historical figures to illustrate important government and civic concepts
- B. Knows how a citizen's rights are protected under the United States Constitution
- C. Knows the basic principles that provide the foundation of a republican form of government and the importance of the central democratic beliefs and principles shared by Americans, both personal and civic

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- D. Is familiar with basic economic concepts and their effect on historic events
 - E. Knows the four types of productive resources and can explain the role of money as a resource
 - F. Knows the functions and roles of the four major sectors of the United States economy and the interactions between businesses and consumers
 - G. Knows the costs and benefits of personal spending and savings choices

Subarea III: Analysis

Objective 1: Understands how to incorporate appropriate teaching approaches into classroom instruction for English language arts

The beginning Elementary Education teacher:

- A. Knows how to apply and use developmentally appropriate pedagogical practices for planning curriculum, designing instruction, and evaluating student progress in reading and language arts

Objective 2: Understands how to incorporate appropriate teaching approaches into classroom instruction for social studies

The beginning Elementary Education teacher:

- A. Knows how to apply and use developmentally appropriate pedagogical practices for planning curriculum, designing instruction, and evaluating student progress in social studies

Test II Subareas

Subarea	Approx. Percentage of Test
I. Mathematics	53%
II. Science	30%
III. Health Education, Physical Education, and the Arts	17%

Test II Objectives

Subarea I: Mathematics

Objective 1: Understands and applies knowledge of counting and cardinality

The beginning Elementary Education teacher:

- A. Knows ways to help students make sense of numbers by comparing, ordering, and connecting numbers to quantities

Objective 2: Understands and applies knowledge of operations and algebraic thinking

The beginning Elementary Education teacher:

- A. Knows ways to help students develop an understanding of equations, number operations, and the relationship between the operations and their properties
- B. Knows how to represent and solve problems involving addition and subtraction to help students gain foundations for multiplication and division
- C. Knows how to write, interpret, analyze, and evaluate numerical expressions, patterns, and relationships

Objective 3: Understands and applies knowledge of numbers and operations in base 10

The beginning Elementary Education teacher:

- A. Knows ways to help students gain foundations for place value, use place value, and understand the properties of operations
- B. Knows how to generalize and use place-value understanding of multi-digit numbers to perform multi-digit operations, including operations with decimals

Objective 4: Understands and applies knowledge of numbers and fractions

The beginning Elementary Education teacher:

- C. Knows ways to help students develop an understanding of fractions as numbers
- D. Knows ways to help students apply previous understanding of multiplication to multiply or divide a fraction or whole number by a fraction and to solve real-world problems involving fractions

Objective 5: Understands and applies knowledge of measurement concepts and data

The beginning Elementary Education teacher:

- A. Knows ways to help students identify, classify, describe, and compare the measurable attributes of objects
- B. Knows how to represent and interpret data
- C. Knows how to relate addition and subtraction to length and solve problems involving measurements
- D. Knows how to promote students' understanding of the concepts of perimeter and area
- E. Knows how to promote students' understanding of the concepts of angle, measurement of angles, and volume, and can relate volume to multiplication and division

Objective 6: Understands and applies knowledge of geometry

The beginning Elementary Education teacher:

- A. Knows how to reason with shapes and their attributes
- B. Knows how to graph points on the coordinate plane to solve real-world and mathematical problems
- C. Knows how to draw and identify lines and angles and can classify shapes by properties of their lines and angles

Subarea II: Science

Objective 1: Understands characteristics of science

The beginning Elementary Education teacher:

- A. Knows the skills necessary for scientific investigation, developing a scientific inquiry mind set, and communicating scientific ideas and activities clearly
- B. Understands the ideas of system, model, change, and scale in exploring scientific and technological matters
- C. Understands the important features of the process of scientific inquiry and the nature of science, technology, and the environment

Objective 2: Understands and applies knowledge of Earth science

The beginning Elementary Education teacher:

- A. Understands time patterns such as day and night, patterns in climate and weather, and changes in the environment
- B. Is familiar with the physical attributes of rocks and soil and understands how fossils are formed
- C. Is familiar with the surface features of Earth caused by constructive and destructive processes

Objective 3: Understands and applies knowledge of physical science

The beginning Elementary Education teacher:

- A. Knows how to describe objects in terms of their properties
- B. Understands important physical science concepts

Objective 4: Understands and applies knowledge of life science

The beginning Elementary Education teacher:

- A. Knows the characteristics of living and nonliving things
- B. Understands the life cycle of different living things, the habitats of organisms, and their dependence on their habitats
- C. Understand interactions between organisms and their environments
- D. Understands inherited traits, learned behaviors, and other factors that affect the survival of organisms

Subarea III: Health Education, Physical Education, and the Arts

Objective 1: Understands and applies knowledge of health and physical education concepts and influences

The beginning Elementary Education teacher:

- A. Knows concepts related to health promotion and disease prevention and ways to enhance health
- B. Understands the influence of family, peers, culture, media, technology, and other factors on health behaviors
- C. Knows how to advocate for personal, family, and community health
- D. Understands motor skills and movement patterns needed to perform a variety of activities
- E. Knows how to promote a health-enhancing level of physical fitness, responsible personal and social behavior, and respect for self and others in physical activity settings

Objective 2: Understands and applies knowledge of the arts (dance, music, visual arts, and theater arts)

The beginning Elementary Education teacher:

- A. Knows fundamental concepts, principles, skills, and terminology related to dance, music, theater arts, and visual arts
- B. Knows the basic techniques, tools, processes, and materials for producing work in the arts
- C. Knows how art can be used as a form of self-expression, communication, and social expression
- D. Knows strategies to promote critical analysis and understanding of the arts
- E. Knows the role and function of the arts in various cultures and throughout history