

Summary of Standards being tested on the AHSGE

Language Standards

1. Student will be able to recognize correct grammar and usage
2. Student will be able to demonstrate appropriate word choice
3. Student will be able to recognize correct sentence structure
4. Student will be able to use correct capitalization and punctuation
5. Student will be able to use appropriate organization skills for writing/revising

Mathematics Standards

1. Student will be able to perform basic operations on algebraic expressions
2. Student will be able to solve equations and inequalities
3. Student will be able to apply concepts related to functions
4. Student will be able to apply formulas
5. Student will be able to apply graphing techniques
6. Student will be able to represent problem situations
7. Student will be able to solve problems involving a variety of algebraic and geometric concepts

Reading Standards

1. Student will be able to demonstrate literal understanding of passages taken from textual, functional, and recreational reading material
2. Student will be able to interpret passages taken from textual, functional and recreational reading material.
3. Student will be able to apply critical analysis strategies and judge texts critically to comprehend passages from textual, functional, and recreational reading material.
4. Student will be able to utilize strategies that enhance comprehension of textual, functional, and recreational reading material.

Science Standards

1. Student will be able to understand concepts dealing with the nature of science
2. Student will be able to understand concepts dealing with matter
3. Student will be able to understand concepts of the diversity of life
4. Student will be able to understand concepts of heredity
5. Student will be able to understand the concepts of cells
6. Student will be able to understand the concepts of interdependence
7. Student will be able to understand the concepts of energy
8. Student will be able to understand the concepts of force and motion

Social Studies Standards

1. Student will be able to understand the global influence of the pre-colonial and colonial eras of the Western Hemisphere
2. Student will be able to understand the formation and development of the United States
3. Student will be able to understand the eras of revolution, expansion, and reform prior to the United States Civil War
4. Student will be able to understand concepts related to the United States Civil War Era
5. Student will be able to understand the concepts and developments of the late 19th to the early 20th centuries
6. Student will be able to evaluate the causes of World War I
7. Student will be able to understand the Great Depression and World War II

AHSGE Preparation Checklist – Language Arts Standards and Item Specifications

APPROVED PASSING SCORE – 560 (target 65/100 as a passing score)

19 OBJECTIVES		# OF ITEMS	1st Time	2nd Time	I know how to work at least 60% of objective
I-1	Identify correct noun forms	5			
I-2	Identify correct verb forms	5			
I-3	Recognize subject-verb agreement	5			
I-4	Recognize pronoun-antecedent	5			
I-5	Identify incorrect shifts in verb tense	5			
I-6	Identify correct pronoun case	5			
I-7	Identify effective use of voice	5			
I-8	Determine correct use of modifiers	5			
I-9	Identify commonly confused words	5			
II-1	Use clear, vivid, precise language	5			
II-2	Use formal and informal language	5			
III-1	Demonstrate correct sentence structure <i>(run-on, fragments, comma splices)</i>	5			
III-2	Demonstrate internal parallelism	5			
IV-1	Demonstrate correct use of capitalization	5			
IV-2	Demonstrate correct use of commas	5			
IV-3	Demonstrate correct semicolon and colon usage	5			
IV-4	Demonstrate correct use of quotation marks and underlining	5			
IV-5	Demonstrate correct use of the apostrophe	5			
V-1	Paragraph progression and completeness	10			
TOTAL		100			
Standard I – 45 questions: The student will recognize correct grammar and usage					
Standard II – 10 questions: The student will demonstrate appropriate word choice					
Standard III – 10 questions: The student will recognize correct sentence structure					
Standard IV – 25 questions: The student will use correct capitalization and punctuation					
Standard V – 10 questions: The student will use appropriate organization skills for writing/revising					

AHSGE Preparation Checklist – Mathematics Standards and Item Specifications
APPROVED PASSING SCORE – 477 (target 55/100 as a passing score)

25 OBJECTIVES	# OF ITEMS	1st Time	2nd Time	I know how to work at least 50% of objective
I-1 Apply order of operations	4			
I-2 Add and subtract polynomials	4			
I-3 Multiply polynomials	4			
I-4 Factor polynomials	4			
II-1 Solve multi-step equations of first degree	4			
II-2 Solve quadratic equations that are factorable	4			
II-3 Solve systems of two linear equations	4			
II-4 Solve multi-step inequalities of first degree	4			
III-1 Identify functions	4			
III-2 Find the range of functions when given the domain	4			
IV-1 Find the perimeter, circumference, area, or volume	4			
IV-2 Find the distance, midpoint, or slope of line segments	4			
V-1 Graph or identify graphs of linear equations	3			
V-2 Graph lines given certain conditions	4			
V-3 Determine solution sets of inequalities	4			
V-4 Identify graphs of common relations	3			
VI-1 Translate verbal/symbolic information into expressions	6			
VII-1 Apply properties and relationships between angles	4			
VII-2 Apply Pythagorean Theorem	4			
VII-3 Apply properties of similar polygons	4			
VII-4 Apply properties of plane and solid geometric figures	4			
VII-5 Determine measures of central tendency	4			
VII-6 Determine probabilities	4			
VII-7 Solve problems involving direct variation	4			
VII-8 Solve problems involving algebraic concepts	4			
TOTAL	100			
Standard I – 16 questions: Be able to perform basic operations on algebraic expressions				
Standard II – 16 questions: Be able to solve equations and inequalities				
Standard III – 8 questions: Be able to apply concepts related to functions				
Standard IV – 8 questions: Be able to apply formulas				
Standard V – 14 questions: Be able to apply graphing techniques				
Standard VI – 6 questions: Be able to represent situations				
Standard VII – 32 questions: Be able to solve problems involving a variety of algebraic and geometric concepts				

AHSGE Preparation Checklist – Reading Standards and Item Specifications

APPROVED PASSING SCORE – 563 (target 60/84 as a passing score)

15 OBJECTIVES		# OF ITEMS	1st Time	2nd Time	I know how to work at least 66% of objective
I-1	Identify supporting details	6			
I-2	Determine sequence of events	6			
I-3	Follow directions	6			
II-1	Identify main idea	6			
II-2	Draw conclusions	6			
II-3	Determine cause and effect	6			
II-4	Detect propaganda; distinguish fact from opinion	6			
II-5	Recognize summary statements	6			
III-1	Recognize logic and arguments	6			
III-2	Analyze literary elements	6			
III-3	Understand figurative language	6			
IV-1	Determine meaning of words	6			
IV-2	Preview, predict	6 items combined			
IV-3	Discern organizational patterns				
IV-4	Demonstrate reference material usage	6			
TOTAL		100			
Standard I – 18 questions: The student will demonstrate literal understanding of passages taken from textual, functional, and recreational reading material					
Standard II – 30 questions: The student will interpret passages taken from textual, functional, and recreational reading material					
Standard III – 18 questions: The student will apply critical analysis strategies and judge texts critically to comprehend passages from textual, functional, and recreational reading material					
Standard IV – 18 questions: The student will utilize strategies that enhance comprehension of textual, functional, and recreational reading material					

AHSGE Preparation Checklist – Science Standards and Item Specifications
APPROVED PASSING SCORE – 491 (target 55/100 as a passing score)

17 OBJECTIVES		# OF ITEMS	1st Time	2nd Time	I know how to work at least 50% of objective
I-1	Analyze the methods of science used to identify and solve problems	7			
II-1	Trace the transfer of matter and energy through biological systems	8			
II-2	Relate particle motion to the states of matter	4			
II-3	Apply information from the periodic table and make predictions using the organization of the periodic table	4			
II-4	Identify how factors affect rates of physical and chemical changes	4			
III-1	Distinguish among the taxonomic groups of any major characteristics	4			
III-2	Differentiate structures, functions, and characteristics of plants	8			
III-3	Differentiate structures, functions, and characteristics of animals	10			
IV-1	Recognize heritable characteristics of organisms	4			
IV-2	Explain how the DNA molecule transfers genetic information from parent to offspring	6			
V-1	Distinguish relationships among cell structures, functions, and organization in living organisms	14			
V-2	Differentiate between mitosis and meiosis	4			
VI-1	Demonstrate an understanding of factors that affect the dynamic equilibrium of populations and ecosystems	7			
VII-1	Relate the Law of Conservation of Energy to energy transformation	4			
VII-2	Relate waves to the transfer of energy	4			
VIII-1	Relate Newton’s three laws of motion to real-world applications	4			
VIII-2	Relate force to pressure in fluids	4			
TOTAL		100			
Standard I – 7 questions: The student will understand concepts dealing with the nature of science					
Standard II – 20 questions: The student will understand concepts dealing with matter					
Standard III – 22 questions: The student will understand concepts of the diversity of life					
Standard IV – 10 questions: The student will understand concepts of heredity					
Standard V – 18 questions: The student will understand the concepts of cells					
Standard VI – 7 questions : The student will understand the concepts of interdependence					
Standard VII – 8 questions: The student will understand the concepts of energy					
Standard VIII – 8 questions: The student will understand the concepts of force and motion					

AHSGE Preparation Checklist – (Social Studies) Standards and Item Specifications

APPROVED PASSING SCORE – 509 (target 60/100 as a passing score)

13 OBJECTIVES		# OF ITEMS	1st Time	2nd Time	I know how to work at least 60% of objective
I-1	Identify and evaluate America’s exploration, development, and divergence. <i>Emphasis of the United States</i>	10			
II-1	Recognize and comprehend the impact of the influences of intellectual and religious thought on the political systems of the United States	6			
II-2	Identify and comprehend the provisions of essential documents of the United States government	14			
III-1	Identify and evaluate the impact of the American Revolution	6			
III-2	Identify and evaluate the Era of expansion. <i>Use map on territorial expansion</i>	6			
III-3	Identify and evaluate the impact of American social and political reform and the emergence of a distinct American culture	6			
IV-1	Identify and evaluate events, causes, and effects of the Civil War Era	8			
V-1	Identify and evaluate the events that led to the settlement of the West	6			
V-2	Evaluate the concepts, developments, and consequences of industrialization and urbanization	8			
VI-1	Evaluate the causes of Word War I	9			
VI-2	Analyze the effects of Word War I	9			
VII-1	Analyze the advent and impact of the Great Depression and the New Deal on American life	8			
VII-2	Analyze America’s involvement in World War II	4			
TOTAL		100			
Standard I – 10 questions: The student will understand the global influence of the pre-colonial and colonial eras of the Western Hemisphere					
Standard II – 20 questions: The student will understand the function and development of the U. S.					
Standard III – 18 questions: The student will understand the eras of revolution, expansion, and reform prior to the United States Civil War					
Standard IV – 8 questions: The student will understand concepts related to the U. S. Civil War Era					
Standard V – 14 questions: The student will understand the concepts and development of the late 19th to the early 20th centuries					
Standard VI – 18 questions: The student will evaluate the causes of World War I					
Standard VII – 12 questions: The student will understand concepts related to Great Depression and WWII					