

Items that Present the Greatest Achievement Gap Between Passing and Non-Passing TASC Test Examinees

Indicator Code	Skill/Description	Basics Mathematics	HSE Achieve Mathematics	TASC Math Exercise Book	TASC Guide	Achieve Online-TASC Mathematics	LearnSmart TASC Achieve Mathematics
Mathematics Algebra							
A-SSE.1.a	Interpret parts of an expression, such as terms, factors, and coefficients.	Lesson 5.1	Lesson 3.1	Lesson 3.1	Pg.154-155	Lesson 3.1	Lesson 2.4
A-REI.3	Solve equations and inequalities in one variable. Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	Lesson 5.3, 5.4, 6.1	Lesson 3.2, 3.3, 3.4	Lesson 3.2, 3.3, 3.4	Pg.164-165	Lesson 3.2, 3.3, 3.4, 5.3	Lesson 2.3
A-CED.3	Create equations that describe numbers or relationship. Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context. For example, represent inequalities describing nutritional and cost constraints on combinations of different foods.	Lesson 6.3	Lesson 3.3, 3.4, 5.4	Lesson 3.3, 3.4, 5.4		Lesson 3.4, 5.3, 5.4	Lesson 2.2, 2.3
Functions							
F-LE.5	Interpret expressions for functions in terms of the situation they model. Interpret the parameters in a linear or exponential function in terms of a context.				Pg.176	<i>TASC Test Math Supplement</i> Pg. 22-38	Lesson 2.2, 3.2
F-IF.4	Interpret functions that arise in applications in terms of the context. For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity.	Lesson 6.5	Lesson 6.1, 6.3	Lesson 6.1, 6.3	Pg.170-172	Lesson 6.1, 6.2, 6.3, 6.4	Lesson 3.2, 3.3
Geometry							
G-MG.2	Apply geometric concepts in modeling situations. Apply concepts of density based on area and volume in modeling situations (e.g., persons per square mile, BTUs per cubic foot).		Pg. 226-227, 240-246, 248-251	Pg.156-157, 160	Pg.199-200	Lesson 7.1, 7.3; <i>TASC Test Math Supplement</i> Pg. 17-18	Lesson 4.5

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G-SRT.5	Prove theorems involving similarity. Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.		Pg.51, 53		Pg.188	Lesson 2.1; <i>TASC Test Math Supplement</i> Pg. 53-65	Lesson 4.6
G-SRT.8	Define trigonometric ratios and solve problems involving right triangles. Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems.		Pg. 223-224	Pg.144-146		<i>TASC Test Math Supplement</i> Pg. 53-65	Lesson 4.6
Number and Quantity							
N-Q.3	Reason quantitatively and use units to solve problems. Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.	Lesson 1.1, 4.1	Lesson 1.1	Lesson 1.1	Pg.151-152		
Statistics and Probability							
S-IC.4	Make inferences and justify conclusions from sample surveys, experiments, and observational studies. Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling.				Pg.206-207	<i>TASC Test Math Supplement</i> Pg. 6-21	Lesson 5.3
S-CP.3	Understand independence and conditional probability and use them to interpret data. Understand the conditional probability of A given B as $P(A \text{ and } B)/P(B)$, and interpret independence of A and B as saying that the conditional probability of A given B is the same as the probability of A, and the conditional probability of B given A is the same as the probability of B.	Lesson 10.3			Pg.207-209	Lesson 2.4; <i>TASC Test Math Supplement</i> Pg. 6	Lesson 5.1

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Indicator Code	Skill/Description	Basics Reading	HSE Achieve Reading & Writing	TASC Reading & Writing Exercise Book	TASC Guide	Achieve Online-TASC Reading & Writing	LearnSmart TASC Achieve Reading & Writing
Reading Reading Informational Text, Craft and Structure							
RI.9-10.6	Determine an author's point of view or purpose in a text and analyze how an author uses rhetoric to advance that point of view or purpose.	Lesson 1.4, 3.3, 3.4	Lesson 3.2, 5.1, 5.3, 5.4, 5.5	Lesson 3.2, 5.1, 5.3, 5.4, 5.5	<i>TASC Guide</i> Pg. 38-40	Lesson 3.2, 5.1, 5.3, 5.4, 5.5	Lesson 3.4, 6.1, 6.2
RI.9-10.5	Analyze in detail how an author's ideas or claims are developed and refined by particular sentences, paragraphs, or larger portions of a text (e.g., a section or chapter).	Lesson 2.2, 3.2, 3.4	Lesson 4.2, 4.3, 7.3; pg. 148-150	Lesson 4.2, 4.3, 7.3; pg. 114-115	Pg. 36-38	Lesson 4.2, 4.3, 5.2, 7.3	Lesson 2.1, 2.2, 2.3, 2.4, 6.1
RI.11-12.4	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text.	Lesson 3.1, 3.4	Lesson 3.1, 3.3	Lesson 3.1, 3.3	Pg. 34-36	Lesson 3.1, 3.3	
Reading Informational Text, Integration of Knowledge and Ideas							
RI.11-12.7	Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.	Lesson 1.3, 2.2, 3.2, 4.2	Lesson 7.3, 7.4	Lesson 7.3, 7.4	Pg. 41-42.	Lesson 7.3, 7.4	Lesson 3.3, 3.4, 3.5, 6.2
RI.9-10.8	Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is valid and the evidence is relevant and sufficient; identify false statements and fallacious reasoning.	Lesson 3.2, 3.3, 3.4	Lesson 6.1, 6.2, 6.3, 6.4, 6.5	Lesson 6.1, 6.2, 6.3, 6.4, 6.5	Pg. 43	Lesson 6.1, 6.2, 6.3, 6.4, 6.5	Lesson 4.1, 4.2, 4.3, 4.4, 4.5
RI.11-12.9	Analyze seventeenth-, eighteenth-, and nineteenth-century foundational U.S. documents of historical and literary significance (including The Declaration of Independence, the Preamble to the Constitution, the Bill of Rights, and Lincoln's Second Inaugural).		Lesson 6.5, 7.3, 7.4	Lesson 6.5, 7.3, 7.4	Pg. 44-45	Lesson 6.5, 7.3, 7.4	
Reading Informational Text, Key Ideas and Details							
RI.9-10.2	Determine a central idea of a text and analyze its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of the text.	Lesson 1.4, 4.2	Lesson 1.1, 1.2, 1.4, 2.5	Lesson 1.1, 1.2, 1.4, 2.5	Pg. 31-33	Lesson 1.1, 1.2, 1.4, 2.5	Lesson 1.1, 1.2, 1.4

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RI.11-12.1	Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text, including determining where the text leaves matters uncertain.	Lesson 3.3	Lesson 2.2	Lesson 2.2	Pg. 29-31	Lesson 2.2	
RI.9-10.3	Analyze how the author unfolds an analysis or series of ideas or events, including the order in which the points are made, how they are introduced and developed, and the connections that are drawn between them.	Lesson 1.2, 1.6	Lesson 2.1, 2.4, 2.5	Lesson 2.1, 2.4, 2.5	Pg. 33-34	Lesson 2.1, 2.4, 2.5	
Reading Informational Text, Vocabulary Acquisition and Use							
RI-LA.11-12.4c	Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning, its part of speech, its etymology, or its standard).	Pg. 58-60, 215	Pg. 328-330	Lesson 3.1	Pg. 46-47	Lesson 3.1	
RI-LA.11-12.4a	Use context (e.g., the overall meaning of a sentence, paragraph, or text; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.	Pg. 50, 103, 142	Lesson 3.1	Lesson 3.1	Pg. 46-47	Lesson 3.1	
RI-LA.11-12.4b	Identify and correctly use patterns of word changes that indicate different meanings or parts of speech (e.g., conceive, conception, conceivable).	Pg. 59			Pg. 46-47		
Reading Literature, Craft and Structure							
RL.11-12.4	Determine the meaning of words and phrases as they are used in the text, including figurative and connotative meanings; analyze the impact of specific word choices on meaning and tone, including words with multiple meanings or language that is particularly fresh, engaging, or beautiful. (Include Shakespeare as well as other authors.)	Lesson 5.4	Lesson 3.1, 3.2	Lesson 3.1, 3.2	Pg. 34-36	Lesson 3.1, 3.2	

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RL.9-10.5	Analyze how an author's choices concerning how to structure a text, order events within it (e.g., parallel plots), and manipulate time (e.g., pacing, flashbacks) create such effects as mystery, tension, or surprise.	Lesson 5.4, 5.6	Lesson 4.1, 4.2; pg. 150-151	Lesson 4.1, 4.2; pg. 116-118	Pg. 36-38	Lesson 4.1, 4.2, 5.2	Lesson 2.2, 2.3, 2.4
RL.9-10.4	Determine the meaning of words and phrases as they are used in the text, including figurative and connotative meanings; analyze the cumulative impact of specific word choices on meaning and tone (e.g., how the language evokes a sense of time and place; how it sets a formal or informal tone).	Lesson 5.4	Lesson 3.1, 3.2, 3.3	Lesson 3.1, 3.2, 3.3	Pg. 34-36	Lesson 3.1, 3.2, 3.3	Lesson 5.1, 5.2, 5.3
Reading Literature, Integration of Knowledge and Ideas							
RL.9-10.7	Analyze the representation of a subject or a key scene in two different artistic mediums, including what is emphasized or absent in each treatment (e.g., Auden's Musee des Beaux Arts and Breughel's Landscape with the Fall of Icarus).	Pg. 226-227	Lesson 7.4	Lesson 7.4	Pg. 41-42.	Lesson 7.4	
RL.11-12.7	Analyze multiple interpretations of a story, drama, or poem (e.g., recorded or live production of a play or recorded novel or poetry), evaluating how each version interprets the source text. (Include at least one play by Shakespeare and one play by an American dramatist.)		Lesson 7.1, 7.2, 7.4	Lesson 7.1, 7.2, 7.4	Pg. 44-45	Lesson 7.1, 7.2, 7.4	
RL.11-12.9	Analyze seventeenth-, eighteenth-, and nineteenth-century foundational U.S. documents of historical and literary significance (including The Declaration of Independence, the Preamble to the Constitution, the Bill of Rights, and Lincoln's Second Inaugural).		Lesson 7.2	Lesson 7.2	Pg. 44-45	Lesson 7.2	
Reading Literature, Key Ideas and Details							

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RL.11-12.3	Analyze the impact of the author's choices regarding how to develop and relate elements of a story or drama (e.g., where a story is set, how the action is ordered, how the characters are introduced and developed).	Lesson 5.1, 5.2	Lesson 2.3	Lesson 2.3	Pg. 33-34	Lesson 2.3	Lesson 2.6, 3.2
RL.11-12.1	Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text, including determining where the text leaves matters uncertain.	Lesson 5.2, 5.3	Lesson 1.3	Lesson 1.3	Pg. 29-31	Lesson 1.3	
RL.9-10.2	Determine a theme or central idea of a text and analyze in detail its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of the text.	Lesson 5.5, 5.6	Lesson 1.1, 1.3, 1.5	Lesson 1.1, 1.3, 1.5	Pg. 31-33	Lesson 1.1, 1.3, 1.5	Lesson 1.1, 1.4
Reading Literature, Vocabulary Acquisition and Use							
RL-LA.11-12.6	Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.	Lesson 5.4	Lesson 3.2	Lesson 3.2	Pg. 49-50	Lesson 3.2	Lesson 2.6
RL-LA.11-12.4d	Verify the preliminary determination of the meaning of a word or phrase (e.g., by checking the inferred meaning in context or in a dictionary).	Lesson 5.4	Lesson 3.1, 3.2	Lesson 3.1, 3.2	Pg. 46-47	Lesson 3.1, 3.2	
RL-LA.11-12.4a	Use context (e.g., the overall meaning of a sentence, paragraph, or text; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.	Lesson 5.4	Lesson 3.1, 3.2	Lesson 3.1, 3.2	Pg. 46-47	Lesson 3.1, 3.2	

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Indicator Code	Skill/Description	Basics Science	HSE Achieve Science	TASC Science Exercise Book	TASC Guide	Achieve Online-TASC Science	LearnSmart TASC Achieve Science
Science							
Earth and Space Science							
HS-ESS3-4	Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.	Lesson 3.5, 10.2	Lesson 2.4, 8.4	Lesson 2.4, 8.4	Pg.375	Lesson 2.4, 8.4	Lesson 3.3
HS-ESS3-5	Analyze geoscience data and the results from global climate models to make an evidence-based forecast of the current rate of global or regional climate change and associated future impacts to Earth systems.	Pg. 123, 371-373	Pg. 86-87, 314; <i>Application of Science Practice</i> Pg. 332-333	Pg. 40, 139	Pg.375	Lesson 2.4, 8.4	Lesson 2.2, 3.2, 3.3
HS-ESS2-1	Develop a model to illustrate how Earth's internal and surface processes operate at different spatial and temporal scales to form continental and ocean-floor features.	Lesson 11.1	Lesson 8.3	Lesson 8.3	Pg. 365-368	Lesson 8.3	Lesson 3.2
Life Sciences							
HS-LS1-1	Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells.	Pg. 179-181	Pg. 104-105		Pg. 348-349	Lesson 3.2	Lesson 2.1
HS-LS2-2	Use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales.	Lesson 3.1, 3.2	Lesson 2.1, 2.3	Lesson 2.1, 2.3	Pg. 353-354	Lesson 2.1, 2.3	Lesson 2.2
HS-LS2-8	Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.	Lesson 3.3	Lesson 4.5	Lesson 4.5	Pg. 354	Lesson 4.5	
Physical Sciences							
HS-PS4-2	Evaluate questions about the advantages of using a digital transmission and storage of information.				Pg. 344-346		
HS-PS2-3	Apply scientific and engineering ideas to design, evaluate, and refine a device that minimizes the force on a macroscopic object during a collision.	Lesson 8.2	Lesson 5.1	Lesson 5.1		Lesson 5.1	
HS-PS1-5	Apply scientific principles and evidence to provide an explanation about the effects of changing the temperature or concentration of the reacting particles on the rate at which a reaction occurs.	Lesson 9.4	Lesson 7.3, 7.4	Lesson 7.3, 7.4	Pg. 335-336	Lesson 7.3, 7.4	Lesson 1.1

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Indicator Code	Skill/Description	Basics Social Studies	HSE Achieve Social Studies	TASC Social Studies Exercise Book	TASC Guide	Achieve Online-TASC Social Studies	LearnSmart TASC Achieve Social Studies
Social Studies Civics and Government							
HS-CG05.2.a	Explain the distinction between citizens and noncitizens (aliens) and the process by which aliens may become citizens.	Pg. 50	Pg. 42		Pg. 282		
HS-CG03.1.c	Explain how individuals can help to shape the public agenda, e.g., joining interest groups or political parties, making presentations at public meetings, writing letters to newspapers and government officials.	Lesson 1.3	Lesson 2.3	Lesson 2.3		Lesson 2.3	Lesson 1.4
HS-CG02.11.b.2.	Constitutional government, including rule of law, representative institutions, separated and shared powers, checks and balances, individual rights, separation of church and state, federalism, civilian control of the military.	Lesson 2.1	Lesson 1.2; Pg. 17	Lesson 1.2	Pg. 275-276	Lesson 1.2	Lesson 1.1
Economics							
HS-EC02.S.6.a	International trade stems mainly from factors that confer comparative advantage, including international differences in the availability of productive resources and differences in relative prices.	Lesson 1.7, 7.2	Lesson 6.2	Lesson 6.2	Pg. 288-289	Lesson 6.2	Lesson 5.3
HS-EC03.M.4.a	An increase in the price of a good or service encourages people to look for substitutes, causing the quantity demanded to decrease, and vice versa. This well-established relationship between price and quantity demanded, known as the law of demand, exists as long as other factors influencing demand do not change.	Lesson 5.2	Lesson 5.1, 5.2, 5.3, 6.1	Lesson 5.1, 5.2, 5.3, 6.1	Pg. 286	Lesson 5.1, 5.2, 5.3, 6.1	Lesson 5.2
HS-EC05.U.1.b	Unemployment can be caused by people changing jobs, by seasonal fluctuations in demand, by changes in the skills needed by employers, or by cyclical fluctuations in the level of national spending.	Lesson 7.1	Lesson 6.3	Lesson 6.3	Pg. 286	Lesson 6.3	Lesson 5.2
Geography							
HS-GE04.3.f	Describe the causes and geographic impact of change in urban areas.	Pg. 301	Pg. 280-281	Pg. 135-136		Lesson 10.3	Lesson 6.3

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HS-GE05.3.b	Describe the relationship between exploration, colonization, and settlement of different regions of the world and natural resources.	Lesson 8.5	Lesson 9.3	Lesson 9.3	Pg. 294	Lesson 9.3	Lesson 4.2, 6.2
HS-GE02.2.c	Analyze how physical and cultural aspects of places regions can influence events.	Lesson 8.3	Lesson 9.2, 10.1, 10.3	Lesson 9.2, 10.1, 10.3	Pg. 294-295	Lesson 9.2, 10.1, 10.3	Lesson 6.2, 6.3
U.S. History							
HS-US07.4.c.1	Analyze the expansion of due process rights in such cases as Gideon v. Wainwright and Miranda v. Arizona and evaluate criticism of the extension of these rights for the accused.	Pg. 49, 120	Pg. 42	Pg. 14	Pg. 280		
HS-US07.3.b.3	Evaluate the legislation and programs enacted during Johnson’s presidency.	Pg. 118-120	Pg. 122-123	Pg. 53-54		Lesson 4.4	Lesson 3.5
HS-US03.2b.1	Compare the motives for fighting and the daily life experiences of Confederate with those of white and African American Union soldiers.	Lesson 2.3	Lesson 3.3	Lesson 3.3	Pg. 249-250	Lesson 3.3	Lesson 2.3
World History							
HS-WH09.2.e.3	Assess the social and cultural implications of recent medical successes such as development of antibiotics and vaccines and the conquest of smallpox.						
HS-WH08.4.b.3	Analyze how and why the Nazi regime perpetrated a war against the Jews and describe the devastation suffered by Jews and other groups in the Nazi Holocaust.	Lesson 3.1	Lesson 4.2	Lesson 4.2		Lesson 4.2	Lesson 3.4
HS-WH01.1.a.2	Describe types of evidence and methods of investigation that anthropologists, archaeologists, and other scholars have used to reconstruct early human evolution and cultural development.		Lesson 9.1	Lesson 9.1	Pg. 259	Lesson 9.1	Lesson 4.1

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Writing Editing and Revising							
WR.11-12.2d	Use precise language, domain-specific vocabulary, and techniques such as metaphor, simile, and analogy to manage the complexity of the topic.	Lesson 6.2	<i>Writer's Workshop</i> 3, 5, 6, 7		Pg. 104		Lesson 9.3
LA.9-10.1b	Use various types of phrases (noun, verb, adjectival, adverbial, participial, prepositional, absolute) and clauses (independent, dependent; noun, relative, adverbial) to convey specific meanings and add variety and interest to writing or presentations.	Lesson 3.2			Pg. 90-91		Lesson 7.1, 7.2, 7.3
LA.7.2a	Use a comma to separate coordinate adjectives (e.g., It was a fascinating, enjoyable movie but not He wore an old[,] green shirt).	Pg. 108-109, 111	Pg. 12		Pg. 95-96		Lesson 8.2
LA.7.1b	Choose among simple, compound, complex, and compound-complex sentences to signal differing relationships among ideas.	Lesson 5.1	Lesson 4.3; Pg. 248-249	Lesson 4.3	Pg. 108	Lesson 4.3	Lesson 9.2
LA.11-12.3a	Vary syntax for effect, consulting references (e.g., Tufte's Artful Sentences) for guidance as needed; apply an understanding of syntax to the study of complex texts when reading.	Lesson 5.3	Pg. 112-113		Pg. 100		Lesson 9.5
LA.9-10.3a	Write and edit work so that it conforms to the guidelines in a style manual (e.g., MLA Handbook, Turabian's Manual for Writers) appropriate for the discipline and writing type.	Lesson 7.1, 7.2, 7.3	<i>Writer's Workshop</i> 1, 2, 3, 4, 5, 6, 7		Pg. 107-109	<i>Writer's Workshop</i> 1, 2, 3, 4, 5, 6, 7	Lesson 9.3