

Reading & Writing GED® Test Study Plan

Name

Class

GED® test Assessment Target*	McGraw-Hill Education Materials	Assigned	Completed
<p><b>R.2 Determine central ideas or themes of texts and analyze their development. Summarize key supporting details and ideas.</b>                      Comprehend explicit details and main ideas in text. Summarize details and ideas in text. Make sentence level inferences about details that support main ideas. Infer implied main ideas in paragraphs or whole texts. Determine which detail(s) support(s) a main idea. Identify a theme, or identify which element(s) in a text support a theme. Make evidence based generalizations or hypotheses based on details in text, including clarifications, extensions, or applications of main ideas to new situations. Draw conclusions or make generalizations that require synthesis of multiple main ideas in text.</p>	<p><i>Basics Reading</i> 1.1, 1.4,2.1, 3.4, 4.2, 5.3, 5.5  <i>Basics Writing</i> 3.2, 6.1  <i>Achieve Reading &amp; Writing</i> 1.1, 1.2, 1.3, 1.4, 1.5  <i>Achieve Online- Reading &amp; Writing</i> 1.1, 1.2, 1.3, 1.4, 1.5  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 1.1, 1.2, 1.3, 1.4  <i>Reading Basics Advanced SE-</i> Lesson 1.1, Lesson 1.2, Lesson 1.3, Lesson 1.4, Lesson 1.7, Lesson 2.4, Lesson 3.1, Lesson 3.4  <i>Reading Basics Advanced Reader-</i> All lessons have Recognize and Recall Details, Find the Main Idea, Summarize and Paraphrase, and Make Inferences questions  <i>Achieving TABE Success in Reading Level A:</i> pp. 59-66, 75-82, 139-146, 155-162, 171-186, 193-200, 225-232  <i>Achieving TABE Success in Language Level A:</i> pp. 111-122  <i>Top 50 Reading Skills:</i> pp.18-20, 24, 32-33,40, 82-89, 98-101  <i>Instruction Targeted for TABE Success, Level A, Reading:</i> Lesson 3.2, Lesson 4.1, Lesson 4.2, Lesson 4.5, Lesson 4.6, Lesson 5.2, Lesson 5.3</p>		
<p><b>R.3 Analyze how individuals, events, and ideas develop and interact over the course of a text.</b>                      Order sequences of events in texts. Make inferences about plot/sequence of events, character/people, settings, or ideas in texts. Analyze relationships within texts, including how events are important in relation to plot or conflict; how people, ideas, or events are connected, developed, or distinguished; how events contribute to theme or relate to key ideas; or how a setting or context shapes structure and meaning. Infer relationships between ideas in a text (e.g., an implicit cause and effect, parallel, or contrasting relationship.) Analyze the roles that details play in complex literary or informational texts.</p>	<p><i>Basics Reading</i> 1.2, 3.1, 4.1, 5.1, 5.2  <i>Basics Writing</i> 1.1, 2.2, 6.3, 6.4  <i>Achieve Reading &amp; Writing</i> 2.1, 2.2, 2.3, 2.4, 2.5  <i>Achieve Online- Reading &amp; Writing</i> 2.1, 2.2, 2.3, 2.4, 2.5  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 2.1, 2.2, 2.3, 2.4  <i>Reading Basics Advanced SE-</i> Lesson 1.5, Lesson 2.1, Lesson 2.5, Lesson 3.3  <i>Reading Basics Advanced Reader-</i> All lessons have Make Inferences questions  <i>Achieving TABE Success in Reading Level A Workbook:</i> pp. 67-74, 131-138, 147-154, 163-170  <i>Achieving TABE Success in Language Level A:</i> pp. 123-126  <i>Top 50 Reading Skills:</i> pp. 8, 20, 42, 66-73, 78, 86, 90, 128-129  <i>Instruction Targeted for TABE Success, Level A, Reading-</i> Lesson 3.1, Lesson 4.3, Lesson 4.4, Lesson 4.7</p>		
<p><b>R.4.2; L4.2 Interpret words and phrases that appear frequently in texts from a wide variety of disciplines, including determining connotative and figurative meanings from context and analyzing how specific word choices shape meaning or tone.</b>                      Determine the meaning of words and phrases as they are used in a text, including determining connotative and figurative meanings from context. Analyze how meaning or tone is affected when one word is replaced with another. Analyze the impact of specific words, phrases, or figurative language in text, with a focus on an author’s intent to convey information or construct an argument</p>	<p><i>Basics Reading</i> 1.5, 2.3, 3.4, 5.4, 5.6  <i>Basics Writing</i> 2.1, 3.1, 5.3, 6.2, 8.2, 8.3  <i>Achieve Reading &amp; Writing</i> 3.1, 3.2, 3.3  <i>Achieve Online- Reading &amp; Writing</i> 3.1, 3.2, 3.3  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 3.1, 3.2, 3.3  <i>Reading Basics Advanced SE-</i> Lesson 2.6, Lesson 3.2, Context Clues on pp. 21, 69, 117, 173; All lessons have Academic Vocabulary questions; Multiple-Meaning Words on pp. 53, 85, 101  <i>Reading Basics, Instructor’s Guide-</i>Language Development Activities on pp. 274-276  <i>Achieving TABE Success in Reading Level A Workbook:</i> pp. 37-44, 191-192  <i>Words to Learn By Advancing Level-</i> All lessons have questions after reading selection  <i>Top 50 Reading Skills:</i> pp. 28-31, 56 82, 106-117  <i>Instruction Targeted for TABE Success, Level A, Reading-</i> Unit 3</p>		

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<p><b>R.5 Analyze the structure of texts, including how specific sentences or paragraphs relate to each other and the whole.</b> Analyze how a particular sentence, paragraph, chapter, or section fits into the overall structure of a text and contributes to the development of the ideas. Analyze the structural relationship between adjacent sections of text (e.g., how one paragraph develops or refines a key concept or how one idea is distinguished from another.) Analyze transitional language or signal words (words that indicate structural relationships, such as consequently, nevertheless, otherwise) and how they refine meaning, emphasize certain ideas, or reinforce an author’s purpose. Analyze how the structure of a paragraph, sections, or passage shapes meaning, emphasizes key ideas, or supports an author’s purpose.</p>	<p><i>Basics Reading</i> 1.2, 2.2, 4.1, 4.2, 4.3, 5.4, 5.6  <i>Basics Writing</i> 6.1, 6.3, 8.1, 8.2  <i>Achieve Reading &amp; Writing</i> 4.1, 4.2, 4.3, 5.2  <i>Achieve Online- Reading &amp; Writing</i> 4.1, 4.2, 4.3, 5.2  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 4.1, 4.2, 5.2, 8.2  <i>Reading Basics Advanced SE-</i> Lesson 1.2, Lesson 1.5  <i>Achieving TABE Success in Reading Level A Workbook:</i> pp. 129–130, 163-170  <i>Achieving TABE Success in Language Level A:</i> pp. 127-134  <i>Top 50 Reading Skills:</i> pp. 44-46, 48, 52, 76-77, 126-127  <i>Top 50 Writing Skills:</i> pp. 72, 74, 76  <i>Instruction Targeted for TABE Success, Level A, Reading-</i> Lesson 4.3</p>		
<p><b>R.6 Determine an author’s purpose or point of view in a text and explain how it is conveyed and shapes the content and style of a text.</b> Determine the author’s point of view or purpose of a text. Analyze how the author distinguishes his or her position from that of others or how an author acknowledges and responds to conflicting evidence or viewpoints. Infer an author’s implicit as well as explicit purposes based on details in text. Analyze how an author uses rhetorical techniques to advance his or her point of view or achieve a specific purpose (e.g., analogies, enumerations, repetition and parallelism, juxtaposition of opposites, qualifying statements.)</p>	<p><i>Basics Reading</i> 1.1, 1.4, 2.3, 3.2, 3.4, 4.2, 4.3, 5.3, 5.4  <i>Basics Writing</i> 6.2, 8.1, 8.3  <i>Achieve Reading &amp; Writing</i> 5.1, 5.2, 5.3, 5.4, 5.5  <i>Achieve Online- Reading &amp; Writing</i> 5.1, 5.2, 5.3, 5.4, 5.5  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 5.1, 5.2, 5.3  <i>Reading Basics Advanced SE-</i> Lesson 1.6, Lesson 2.6, Lesson 3.2, Lesson 3.6  <i>Reading Basics Advanced Reader-</i> All lessons have Recognize Author’s Effect and Intentions questions  <i>Achieving TABE Success in Reading Level A Workbook:</i> pp. 19, 57-58, 209-224, 233-244  <i>Top 50 Reading Skills:</i> pp. 36-38, 52-59, 74, 134, 138, 140, 144  <i>Instruction Targeted for TABE Success, Level A, Reading-</i> Lesson 5.4, Lesson 5.5, Lesson 5.6</p>		
<p><b>R.8 Define and evaluate the argument and specific claims in a text, including if the reasoning was valid, as well as the relevance and sufficiency of the evidence.</b> Delineate the specific steps of an argument the author puts forward, including how the argument’s claims build on one another. Identify specific pieces of evidence an author uses in support of claims or conclusions. Evaluate the relevance and sufficiency of evidence offered in support of a claim. Distinguish claims that are supported by reasons and evidence from claims that are not. Assess whether the reasoning is valid; identify fallacious reasoning in an argument and evaluate its impact. Identify an underlying premise or assumption in an argument and evaluate the logical support and evidence provided.</p>	<p><i>Basics Reading</i> 2.3, 3.1, 3.2, 3.3, 5.2, 5.3  <i>Basics Writing</i> 8.1  <i>Achieve Reading &amp; Writing</i> 6.1, 6.2, 6.3, 6.4, 6.5  <i>Achieve Online- Reading &amp; Writing</i> 6.1, 6.2, 6.3, 6.4, 6.5  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 6.1, 6.2, 6.3, 6.4  <i>Reading Basics Advanced SE-</i> Lesson 2.4, Lesson 3.5  <i>Reading Basics Advanced Reade-</i> All lessons have Evaluate and Create questions  <i>Achieving TABE Success in Reading Level A Workbook:</i> pp. 179-186, 201-208  <i>Top 50 Reading Skills:</i> pp. 34-36, 38-39, 134-139  <i>Instruction Targeted for TABE Success, Level A, Reading-</i> Lesson 4.6, Lesson 5.1</p>		

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<p><b>R.7 and R.9 Analyze how two or more texts address similar themes or topics</b>                      Draw specific comparisons between two texts that address similar themes or topics or between information presented in different formats (e.g., between information presented in text and information or data summarized in a table or timeline.)                      Compare two passages in similar or closely related genre that share ideas or themes, focusing on similarities and/or differences in perspective, tone, style, structure, purpose, or overall impact.                      Compare two argumentative passages on the same topic that present opposing claims (either main or supporting claims) and analyze how each text emphasizes different evidence or advances a different interpretation of facts. Analyze how data or quantitative and /or visual information extends, clarifies, or contradicts information in text, or determine how data supports an author’s argument. Compare two passages that present related ideas or themes in different genre or formats (e.g., a feature article and an online FAQ or fact sheet) in order to evaluate differences in scope, purpose, emphasis, intended audience, or overall impact when comparing. Compare two passages that present related ideas or themes in different genre or formats in order to synthesize details, draw conclusions, or apply information to new situations.</p>	<p><i>Basics Reading</i> 1.3, 1.5, 1.6, 1.7, 2.2, 3.2, 5.5  <i>Basics Writing</i> 8.2  <i>Achieve Reading &amp; Writing</i> 7.1, 7.2, 7.3, 7.4  <i>Achieve Online- Reading &amp; Writing</i> 7.1, 7.2, 7.3, 7.4  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 7.1, 7.2, 7.3, 7.4, 7.5  <i>Reading Basics Advanced SE</i>: pp. 86, 122, 153  <i>Top 50 Reading Skills</i>: pp. 146, 150</p>		
<p><b>L.1: Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.</b>                      Edit to correct errors involving frequently confused words and homonyms, including contractions (passed, past; two, too, to; there, their, they’re; knew, new; it’s its). Edit to correct errors in straightforward subject-verb agreement. Edit to correct errors in pronoun usage, including pronoun-antecedent agreement, unclear pronoun references, and pronoun case. Edit to eliminate non-standard or informal usage (e.g., correctly use try to win the game instead of try and win the game). Edit to eliminate dangling or misplaced modifiers or illogical word order (e.g., correctly use to meet almost all requirements instead of to almost meet all requirements). Edit to ensure parallelism and proper subordination and coordination. Edit to correct errors in subject-verb or pronoun antecedent agreement in more complicated situations (e.g., with compound subjects, interceding phrases, or collective nouns). Edit to eliminate wordiness or awkward sentence construction. Edit to ensure effective use of transitional words, conjunctive adverbs, and other words and phrases that support logic and clarity.</p>	<p><i>Basics Writing</i> 1.2, 2.1, 2.2, 3.2, 4.3, 5.2, 5.3, 6.3, 6.4  <i>Achieve Reading &amp; Writing</i> 2.4, 2.5, 3.1, 4.1, 4.3, 5.5, 6.5, 7.3, Writer’s Workshop 4, 5, 6, 7  <i>Achieve Online- Reading &amp; Writing</i> 2.4, 2.5, 3.1, 4.1, 4.3, 5.5, 6.5, 7.3, Writer’s Workshop 4, 5, 6, 7  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 8.1, 8.2, 8.3  <i>Achieving TABE Success in Language Level A</i>: pp. 19-70, 83-106  <i>Instruction Targeted for TABE Success, Level A, Language-</i> Unit 1, Unit 2  <i>Top 50 Writing Skills</i>: pp. 21, 26, 28, 30, 32-36, 38, 42, 44-52, 70, 78</p>		

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<p><b>L.2: Demonstrate command of the conventions of standard English capitalization and punctuation when writing.</b>                      Edit to ensure correct use of capitalization (e.g., proper nouns, titles, and beginnings of sentences). Edit to eliminate run-on sentences, fused sentences, or sentence fragments. Edit to ensure correct use of apostrophes with possessive nouns. Edit to ensure correct use of punctuation (e.g., commas in a series or in appositives and other non-essential elements, end marks, and appropriate punctuation for clause separation).</p>	<p><i>Basics Writing</i> 1.1, 4.1, 4.2, 4.3, 5.1  <i>Achieve Reading &amp; Writing</i> 1.1, 1.2, Writer’s Workshop 1, 2, 3, 4, 5, 6  <i>Achieve Online- Reading &amp; Writing</i> 1.1, 1.2, Writer’s Workshop 1, 2, 3, 4, 5, 6  <i>Learn Smart Achieve Adaptive Reading &amp; Writing</i> 9.1, 9.2  <i>Achieving TABE Success in Language Level A:</i> pp. 75-82, 139-150, 155-178, 183-194  <i>Instruction Targeted for TABE Success, Level A, Language-</i> Unit 4, Unit 5, Unit 6  <i>Top 50 Writing Skills:</i> pp. 20-24, 54, 56-66, 68</p>		

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<b>Science Practices</b>			
<p><b>SP.1 Comprehending Scientific Presentations</b> Understand and explain textual scientific presentations; Determine the meaning of symbols, terms and phrases as they are used in scientific presentations; Understand and explain a non-textual scientific presentations</p>	<p><i>Basics Science</i> 1.1, 1.2, 2.1, 2.2, 3.1, 3.2, 6.2, 7.1, 7.3, 8.1, 9.3, 9.5, 9.6, 11.1, 11.2  <i>Achieve Science</i> 1.4, 1.6, 3.1, 3.2, 3.5, 5.1, 6.2, 7.1  <i>Achieve Online- Science</i> 1.4, 1.6, 3.1, 3.2, 3.5, 5.1, 6.2, 7.1  <i>Learn Smart Achieve Adaptive Science</i> 1.2, 1.4, 3.2, 5.1, 6.2  <i>Top 50 Science Skills: pg. 22-25</i></p>		
<p><b>SP.2 Investigation Design (Experimental and Observational)</b> Identify possible sources of error and alter the design of an investigation to ameliorate that error; Identify and refine hypotheses for scientific investigations; Identify the strength and weaknesses of one or more scientific investigation (i.e., experimental or observational) designs; Design a scientific investigation; Identify and interpret independent and dependent variables in scientific investigations</p>	<p><i>Basics Science</i> 3.3, 5.2, 6.1, 9.3, 12.1, 12.3; <i>Application of Science Practices</i>, e.g. pg. 130-131  <i>Achieve Science</i> 2.2, 3.3, 5.3, 6.1, 7.2, 7.3, 7.4, 8.2, 9.1  <i>Achieve Online- Science</i> 2.2, 3.3, 5.3, 6.1, 7.2, 7.3, 7.4, 8.2, 9.1  <i>Learn Smart Achieve Adaptive Science</i> 5.2, 6.3, 7.2, 7.3, 7.4, 8.2  <i>Top 50 Science Skills: pg.26-29, 36-37</i></p>		
<p><b>SP.3 Reasoning from Data</b> Cite specific textual evidence to support a finding or conclusion. Reason from data or evidence to a conclusion. Make a prediction based upon data or evidence. Using sampling techniques to answer scientific questions.</p>	<p><i>Basics Science</i> 1.3, 3.2, 3.4, 3.5, 4.1, 4.2, 4.3, 5.1, 6.1, 7.2, 7.5, 9.1, 9.2, 10.1, 10.2, 12.3; <i>Application of Science Practices</i>, e.g. pg. 434-435  <i>Achieve Science</i> 2.1, 2.3, 2.4, 4.3, 4.4, 6.4  8.3, 8.5, 9.2  <i>Achieve Online- Science</i> 2.1, 2.3, 2.4, 4.3, 4.4, 6.4  8.3, 8.5, 9.2  <i>Learn Smart Achieve Adaptive Science</i> 2.4, 2.5, 4.1, 4.4, 9.1, 10.2  <i>Top 50 Science Skills: pg. 28-31, 34-35</i></p>		
<p><b>SP.4 Evaluating Conclusions with Evidence</b> Evaluate whether a conclusion or theory is supported or challenged by particular data or evidence.</p>	<p><i>Basics Science</i> 1.4, 5.2, 7.4, 8.2, 9.1, 11.3, 12.3  <i>Achieve Science</i> 1.2, 4.3, 7.2  <i>Achieve Online- Science</i> 1.2, 4.3, 7.2  <i>Learn Smart Achieve Adaptive Science</i> 4.2  <i>Top 50 Science Skills: pg. 32-33</i></p>		
<p><b>SP.5 Working with Findings</b> Reconcile multiple findings, conclusions or theories.</p>	<p><i>Basics Science</i> 2.3, 4.2, 5.2, 7.2, 9.1, 9.4, 10.2  <i>Achieve Science</i> 1.3, 1.5, 4.5  <i>Achieve Online- Science</i> 1.3, 1.5, 4.5  <i>Learn Smart Achieve Adaptive Science</i> 4.4  <i>Top 50 Science Skills: pg. 40-41</i></p>		
<p><b>SP.6 Expressing Scientific Information</b> Express scientific information or findings visually. Express scientific information or findings numerically or symbolically. Express scientific information or findings verbally.</p>	<p><i>Basics Science</i> 5.2, 11.1  <i>Achieve Science</i> 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 3.2, 3.3, 3.4, 3.5, 5.1, 6.3, 6.4, 7.1, 8.1, 8.4, 8.5, 9.1  <i>Achieve Online- Science</i> 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 3.2, 3.3, 3.4, 3.5, 5.1, 6.3, 6.4, 7.1, 8.1, 8.4, 8.5, 9.1  <i>Learn Smart Achieve Adaptive Science</i> 1.1, 2.1, 2.2, 3.1, 3.3, 5.3, 5.4, 7.1, 8.1, 8.4, 10.1  <i>Top 50 Science Skills: pg. 26-27</i></p>		
<p><b>SP.7 Scientific Theories</b> Understand and apply scientific models, theories and processes. Apply formulas from scientific theories.</p>	<p><i>Basics Science</i> 2.3, 4.3, 5.2, 8.1, 9.2, 9.4, 11.3, 12.2, 12.4  <i>Achieve Science</i> 3.1, 5.2, 8.2, 8.3  <i>Achieve Online- Science</i> 3.1, 5.2, 8.2, 8.3  <i>Learn Smart Achieve Adaptive Science</i> 6.1, 8.3  <i>Top 50 Science Skills: pg. 36-37</i></p>		

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<p><b>SP.8 Probability &amp; Statistics</b> Describe a data set statistically. Use counting and permutations to solve scientific problems. Determine the probability of events.</p>	<p><i>Basics Science</i> 5.2 <i>Achieve Science</i> 1.5, 2.3, 4.1, 4.2, 8.1 <i>Achieve Online- Science</i> 1.5, 2.3, 4.1, 4.2, 8.1 <i>Learn Smart Achieve Adaptive Science</i> 1.3, 2.3, 4.1 <i>Top 50 Math Skills-</i> pg. 90-93</p>		
<b>Life Science Content Topics</b>			
<p><b>L.a. Human Body and Health.</b> Body systems (e.g., muscular, endocrine, nervous systems) and how they work together to perform a function (e.g., muscular and skeletal work to move the body). Homeostasis feedback methods that maintain homeostasis (e.g., sweating to maintain internal temperature) and effects of changes in the external environment on living things (e.g., hypothermia, injury). Sources of nutrients (e.g., foods, symbiotic organisms) and concepts in nutrition (e.g., calories, vitamins, minerals). Transmission of disease and pathogens (e.g., airborne, blood borne), the effects of disease or pathogens on populations (e.g., demographics change, extinction), and disease prevention methods (e.g., vaccination, sanitation).</p>	<p><i>Basics Science</i> 1.1, 1.2, 1.3, 1.4 <i>Achieve Science</i> 1.1, 1.2, 1.3, 1.4, 1.5, 1.6 <i>Achieve Online- Science</i> 1.1, 1.2, 1.3, 1.4, 1.5, 1.6 <i>Learn Smart Achieve Adaptive Science</i> 1.1, 1.2, 1.3, 1.4 <i>Top 50 Science Skills:</i> pg. 23, 37, 41, 62-65, 74-75</p>		
<p><b>L.b Relationship Between Life Functions and Energy Intake.</b> Energy for life functions (e.g., photosynthesis, respiration, fermentation).</p>	<p><i>Basics Science</i> 1.2, 2.1, 2.2, 2.3 <i>Achieve Science</i> 3.3, 3.4 <i>Achieve Online- Science</i> 3.3, 3.4 <i>Learn Smart Achieve Adaptive Science</i> 3.1 <i>Top 50 Science Skills:</i> pg. 58, 96, 142, 146</p>		
<p><b>L.c. Energy Flows in Ecological Networks (Ecosystems).</b> Flow of energy in ecosystems (e.g., energy pyramids), conversation of energy in an ecosystem (e.g., energy lost as heat, energy passed on to other organisms) and sources of energy (e.g., sunlight, producers, lower level consumer). Flow of matter in ecosystems (e.g., food webs and chains, positions of organisms in the web or chain) and the effects of change in communities or environment on food webs. Carrying capacity, changes in carrying capacity based on changes in populations and environmental effects and limiting resources necessary for growth. Symbiosis (e.g., mutualism, parasitism, commensalism) and predator/prey relationships (e.g., changes in one population affecting another population). Disruption of ecosystems (e.g., invasive species, flooding, habitat destruction, desertification) and extinction (e.g., causes [human and natural] and effects).</p>	<p><i>Basics Science</i> 3.1, 3.2, 3.3, 3.4 <i>Achieve Science</i> 2.1, 2.2, 2.3, 2.4 <i>Achieve Online- Science</i> 2.1, 2.2, 2.3, 2.4 <i>Learn Smart Achieve Adaptive Science</i> 2.1, 2.2, 2.3, 2.4, 2.5 <i>Top 50 Science Skills:</i> pg. 24-25, 27, 54-55, 58-61, 66-69, 84, 96-99, 110, 149</p>		
<p><b>L.d Organization of Life (Structure and Function of Life)</b> Essential functions of life (e.g., chemical reactions, reproduction, metabolism) and cellular components that assist the functions of life (e.g., cell membranes, enzymes, energy). Cell theory (e.g., cells come from cells, cells are the smallest unit of living things), specialized cells and tissues (e.g., muscles, nerve, etc.) and cellular levels of organization (e.g., cells, tissues, organs, systems). Mitosis, meiosis (e.g. process and purpose).</p>	<p><i>Basics Science</i> 2.2, 4.1 <i>Achieve Science</i> 3.1, 3.2, 3.3, 3.4, 3.5 <i>Achieve Online- Science</i> 3.1, 3.2, 3.3, 3.4, 3.5 <i>Learn Smart Achieve Adaptive Science</i> 3.1, 3.2, 3.3 <i>Top 50 Science Skills:</i> pg. 22, 42-43, 48, 84, 143-148, 151</p>		

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<p><b>L.e Molecular Basis for Heredity.</b> Relationship of DNA, genes, and chromosomes (e.g. description, chromosome splitting during meiosis) in heredity. Genotypes, phenotypes and the probability of traits in close relatives (e.g., Punnett squares, pedigree charts). New alleles, assortment of alleles (e.g., mutations, crossing over), environmental altering of traits, and expression of traits (e.g., epigenetics, color points of Siam cats).</p>	<p><i>Basics Science</i> 5.1, 5.2 <i>Achieve Science</i> 3.5, 4.1, 4.2, 4.4 <i>Achieve Online- Science</i> 3.5, 4.1, 4.2, 4.4 <i>Learn Smart Achieve Adaptive Science</i> 3.3, 4.1, 4.3 <i>Top 50 Science Skills:</i> pg. 44-45, 102-103, 150-151, 153</p>		
<p><b>L.f Evolution.</b> Common ancestry (e.g., evidence) and cladograms (e.g., drawing, creating, interpreting). Selection (e.g., natural selection, artificial selection, evidence) and the requirements for selection (e.g., variation in traits, differential survivability). Adaptation, selection pressure, and speciation.</p>	<p><i>Basics Science</i> 6.1, 6.2, 6.3 <i>Achieve Science</i> 4.3, 4.5 <i>Achieve Online- Science</i> 4.3, 4.5 <i>Learn Smart Achieve Adaptive Science</i> 4.2, 4.4 <i>Top 50 Science Skills:</i> pg. 40, 46-53, 72-73, 152-153</p>		
<b>Physical Science Content Topics</b>			
<p><b>P.a. Conservation, Transformation, and Flow of Energy.</b> Heat, temperature, the flow of heat results in work and the transfer of heat (e.g., conduction, convection). Endothermic and exothermic reactions. Types of energy (e.g., kinetic, chemical, mechanical) and transformations between types of energy (e.g., chemical energy [sugar] to kinetic energy [motion of a body]). Sources of energy (e.g., sun, fossil fuels, nuclear) and the relationships between different sources (e.g., levels of pollutions, amount of energy produced). Types of waves, parts of waves (e.g. frequency, wavelength), types of electromagnetic radiation, transfer of energy by waves, and the uses and dangers of electromagnetic radiation (e.g. radio transmission, UV light and sunburns).</p>	<p><i>Basics Science</i> 7.1, 7.2, 7.3, 7.4, 7.5 <i>Achieve Science</i> 6.1, 6.2, 6.3, 6.4, 7.3 <i>Achieve Online- Science</i> 6.1, 6.2, 6.3, 6.4, 7.3 <i>Learn Smart Achieve Adaptive Science</i> 5.1, 5.2, 5.3, 5.4, 7.3 <i>Top 50 Science Skills:</i> pg. 23, 31, 35, 37, 60-61, 75, 84-85, 96-99</p>		
<p><b>P.b Work, Motion, and Forces.</b> Speed, velocity, acceleration, momentum, and collisions (e.g., inertia in a car accident, momentum transfer between two objects). Force, Newton’s Laws, gravity, acceleration due to Gravity (e.g., freefall, law of gravitational attraction), mass and weight. Work, simple machines (types and functions), mechanical advantages (forces, distance, and simple machines), and power.</p>	<p><i>Basics Science</i> 8.1, 8.2 <i>Achieve Science</i> 5.1, 5.2, 5.3 <i>Achieve Online- Science</i> 5.1, 5.2, 5.3 <i>Learn Smart Achieve Adaptive Science</i> 6.1, 6.2, 6.3 <i>Top 50 Science Skills:</i> pg. 31, 37, 41, 94-95, 159</p>		
<p><b>P.c. Chemical Properties and Reactions Related to Living Systems.</b> Structure of matter. Physical and chemical properties, changes of state, and density. Balancing chemical equations and different types of chemical equations, conservation of mass in balanced chemical equations and limiting reactants. Parts in solutions, general rules of solubility (e.g., hotter solvents allow more solute to dissolve), saturation and the differences between weak and strong solutions.</p>	<p><i>Basics Science</i> 9.1, 9.2, 9.4, 9.6 <i>Achieve Science</i> 7.1, 7.2, 7.3, 7.4 <i>Achieve Online- Science</i> 7.1, 7.2, 7.3, 7.4 <i>Learn Smart Achieve Adaptive Science</i> 7.1, 7.2, 7.3, 7.4 <i>Top 50 Science Skills:</i> pg. 78-87, 90-93, 140-143</p>		
<b>Earth and Space Science Content Topics</b>			

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GED® test Assessment Target*	McGraw-Hill Education / Contemporary Materials	Assigned	Completed
<p><b>ES.a. Interactions between Earth’s Systems and Living Things.</b>                      Interactions of matter between living and nonliving things (e.g., cycles of matter) and the location, uses and dangers of fossil fuels. Natural Hazards (e.g., earthquakes, hurricanes, etc.) their effects (e.g., frequency, severity, and short- and long-term effects), and mitigation thereof (e.g., dikes, storm shelters, building practices). Extraction and use of natural resources, renewable vs. nonrenewable resources and sustainability.</p>	<p><i>Basics Science</i> 3.5, 9.5, 10.1, 10.211.1, 11.3  <i>Achieve Science</i> 2.2, 2.4, 8.3, 8.4, 8.5  <i>Achieve Online- Science</i> 2.2, 2.4, 8.3, 8.4, 8.5  <i>Learn Smart Achieve Adaptive Science</i> 8.4, 9.1  <i>Top 50 Science Skills:</i> pg. 24, 56-57, 66-67, 81</p>		
<p><b>ES.b. Earth and its System Components and Interactions.</b>                      Characteristics of the atmosphere, including its layers, gases and their effects on the Earth and its organisms, include climate change. Characteristics of the oceans (e.g., salt water, currents, coral reefs) and their effects on Earth and organisms. Interactions between Earth’s systems (e.g., weathering caused by wind or water on rock, wind caused by high/low pressure and Earth rotation, etc.). Interior structure of the Earth (e.g., core, mantle, crust, tectonic plates) and its effects (e.g., volcanoes, earth quakes, etc.) and major landforms of the Earth (e.g., mountains, ocean basins, continental shelves, etc.).</p>	<p><i>Basics Science</i> 11.1, 11.2, 11.3, 12.1  <i>Achieve Science</i> 8.1, 8.2, 8.3, 8.5  <i>Achieve Online- Science</i> 8.1, 8.2, 8.3, 8.5  <i>Learn Smart Achieve Adaptive Science</i> 8.1, 8.2, 8.3, 8.4  <i>Top 50 Science Skills:</i> pg. 31, 36, 108-113, 154-156</p>		
<p><b>ES.c. Structures and Organization of the Cosmos.</b>                      Structures in the universe (e.g., galaxies, stars, constellations, solar systems), the age and development of the universe, and the age and development of Stars (e.g., main sequence, stellar development, deaths of stars [black hole, white dwarf]). Sun, planets, and moons (e.g., types of planets, comets, asteroids), the motion of the Earth’s motion and the interactions within the Earth’s solar system (e.g., tides, eclipses). The age of the Earth, including radiometrics, fossils, and landforms</p>	<p><i>Basics Science</i> 12.1, 12.2, 12.3, 12.4  <i>Achieve Science</i> 9.1, 9.2  <i>Achieve Online- Science</i> 9.1, 9.2  <i>Learn Smart Achieve Adaptive Science</i> 10.1, 10.2  <i>Top 50 Science Skills:</i> pg. 72-73, 106-107, 114-120, 157-159</p>		



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<b>Social Studies Practices</b>			
<p><b>SSP.1 Draw Conclusions and Make Inferences</b>                      Determine the details of what is explicitly stated in primary and secondary sources and make logical inferences or valid claims based on evidence. Cite or identify specific evidence to support inferences or analyses of primary and secondary sources, attending to the precise details of explanations or descriptions of a process, event, or concept.</p>	<p><i>Basics Social Studies</i> 1.1, 1.7, 4.4, 5.2, 5.3, 6.1, 8.6  <i>Achieve Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.3, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2, 9.3  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.3, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2, 9.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 1.2, 1.3, 1.4, 2.1, 2.3, 3.1, 3.2, 3.4, 4.1,4.2, 4.3, 4.4, 5.1  <i>Top 50 Social Studies Skills:</i> pg. 20-21, 24-27, 72-73, 82-83, 98-99</p>		
<p><b>SSP.2 Determine Central Ideas, Hypotheses and Conclusions</b>                      Determine the central ideas or information of a primary or secondary source document, corroborating or challenging conclusions with evidence. Describe people, places, environments, processes, and events, and the connections between and among them.</p>	<p><i>Basics Social Studies</i> 1.2, 1.4, 1.8, 2.1, 3.1, 4.1, 4.2, 5.1, 5.2, 5.5, 5.6, 6.2, 8.3, 8.5  <i>Achieve Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3  <i>Top 50 Social Studies Skills:</i> pg. 22-23, 76-77</p>		
<p><b>SSP.3 Analyze Events and Ideas</b>                      Identify the chronological structure of a historical narrative and sequence steps in a process. Analyze in detail how events, processes, and ideas develop and interact in a written document; determine whether earlier events caused later ones or simply preceded them. Analyze cause-and-effect relationships and multiple causation, including action by individuals, natural and societal processes, and the influence of ideas. Compare differing sets of ideas related to political, historical, economic, geographic, or societal contexts; evaluate the assumptions and implications inherent in differing positions</p>	<p><i>Basics Social Studies</i> 1.1, 1.3, 1.6, 2.1, 2.2, 3.2, 4.3, 5.3, 6.2, 6.3, 7.2, 8.5  <i>Achieve Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3  <i>Top 50 Social Studies Skills:</i> pg. 40-41, 44-45, 54-55, 92-93, 116-117</p>		
<p><b>SSP.4 Interpret Meaning of Symbols, Words and Phrases</b>                      Determine the meaning of words and phrases as they are used in context, including vocabulary that describes historical, political, social, geographic, and economic aspects of social studies.</p>	<p><i>Basics Social Studies</i> 3.2, 3.4, 5.7, 7.1  <i>Achieve Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 1.2, 1.4, 3.1, 3.2, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3  <i>Top 50 Social Studies Skills:</i> pg. 36-37, 185</p>		
<p><b>SSP.5 Analyze Purpose and Point of View</b>                      Identify aspects of a historical document that reveals an author's point of view or purpose (e.g., loaded language, inclusion or avoidance of particular facts). Identify instances of bias or propagandizing. Analyze how a historical context shapes an author's point of view. Evaluate the credibility of an author in historical and contemporary political discourse.</p>	<p><i>Basics Social Studies</i> 1.6, 2.3, 3.5, 4.1, 8.4  <i>Achieve Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 7.1, 7.2, 7.3, 8.3, 9.1, 9.2, 9.3  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 7.1, 7.2, 7.3, 8.3, 9.1, 9.2, 9.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 1.2, 1.4, 2.2, 2.4, 3.1, 3.2, 3.3, 3.4, 4.1, 4.3, 5.1  <i>Top 50 Social Studies Skills:</i> pg. 36-37, 42-43, 94-95</p>		

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<p><b>SSP.6 Integrate Content Presented in Different Ways</b> Integrate quantitative or technical analysis (e.g., charts, research data) with qualitative analysis in print or digital text. Analyze information presented in a variety of maps, graphic organizers, tables, and charts; and in a variety of visual sources such as artifacts, photographs, political cartoons. Translate quantitative information expressed in words in a text into visual form (e.g., table or chart); translate information expressed visually or mathematically into words.</p>	<p><i>Basics Social Studies</i> 1.2, 1.7, 2.4, 3.1, 3.3, 5.1, 5.8, 5.9, 7.2, 8.1, 8.2  <i>Achieve Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.4, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3  <i>Top 50 Social Studies Skills:</i> pg. 64-67, 72-76, 84-89, 92-99, 104-105, 110-111, 116-119</p>		
<p><b>SSP.7 Evaluate Reasoning and Evidence</b> Distinguish among fact, opinion, and reasoned judgment in a primary or secondary source document. Distinguish between unsupported claims and informed hypotheses grounded in social studies evidence</p>	<p><i>Basics Social Studies</i> 5.3, 5.4, 7.2, 8.6  <i>Achieve Social Studies</i> 2.1, 2.3, 3.3, 4.5, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 10.2, 10.3  <i>Achieve Online- Social Studies</i> 2.1, 2.3, 3.3, 4.5, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 10.2, 10.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 2.3, 2.4, 4.2, 4.3, 5.3  <i>Top 50 Social Studies Skills:</i> pg. 32-33, 38-39</p>		
<p><b>SSP.8 Analyze Relationships between Texts</b> Compare treatments of the same social studies topic in various primary and secondary sources, noting discrepancies between and among the sources.</p>	<p><i>Basics Social Studies</i> 1.5, 5.8, 6.1, 8.2, 8.4  <i>Achieve Social Studies</i> 1.1, 1.2, 2.1, 2.2, 3.3, 9.2  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 2.1, 2.2, 3.3, 9.2  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 1.3, 2.3, 2.4  <i>Top 50 Social Studies Skills:</i> pg. 54-55</p>		
<p><b>SSP.9 Write Analytic Response to Source Texts</b> <i>(The Extended Response writing task will require test-takers to apply a range of social studies Practices; however, the practices under SSP.9 will be of primary importance in the writing task, and these practices will only be assessed through the writing task.)</i> Produce writing that develops the idea(s), claim(s) and/or argument(s) thoroughly and logically, with well-chosen examples, facts, or details from primary and secondary source documents. Produce writing that introduces the idea(s) or claim(s) clearly; creates an organization that logically sequences information; and maintains a coherent focus. Write clearly and demonstrate sufficient command of standard English conventions.</p>	<p><i>Basics Social Studies Throughout: e.g. Write To Learn-</i> pg. 114, 140; <i>Essay Writing Practice:</i> pg. 70, 106, 180, 282, 324; <i>Writing Practice-</i> pg. 117, 143;  <i>Achieve Social Studies</i> 1.1, 3.4, 5.1, 8.2  <i>Achieve Online- Social Studies</i> 1.1, 3.4, 5.1, 8.2  <i>Top 50 Social Studies Skills:</i> pg. 26-27</p>		
<p><b>SSP.10 Read and Interpret Graphs, Charts and Other Data Representation</b> Interpret, use, and create graphs (e.g., scatterplot, line, bar, circle) including proper labeling. Predict reasonable trends based on the data (e.g., do not extend trend beyond a reasonable limit). Represent data on two variables (dependent and independent) on a graph; analyze and communicate how the variables are related. Distinguish between correlation and causation.</p>	<p><i>Basics Social Studies</i> 2.4, 5.1, 8.2  <i>Achieve Social Studies</i> 1.1, 1.2, 4.3, 4.4, 4.5, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Achieve Online- Social Studies</i> 1.1, 1.2, 4.3, 4.4, 4.5, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 1.1, 3.4, 4.2, 4.3, 5.1, 5.2, 5.3  <i>Top 50 Social Studies Skills:</i> pg. 104-105, 108-111</p>		
<p><b>SSP.11 Measure the Center of a Statistical Dataset</b> Calculate the mean, median, mode, and range of a dataset.</p>	<p><i>Achieve Social Studies</i> 7.1, 7.2, 7.3, 10.3  <i>Achieve Online- Social Studies</i> 7.1, 7.2, 7.3, 10.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 4.3  <i>Top 50 Math Skills-</i> pg. 70-71</p>		

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<b>Civics and Government Content Topics</b>			
<p><b>CG.a. Types modern and historical governments</b>                      Direct democracy, representative democracy, parliamentary democracy, presidential democracy, monarchy and other types of government that contributed to the development of American constitutional democracy.</p>	<p><i>Basics Social Studies 1.1</i>  <i>Achieve Social Studies 1.1</i>  <i>Achieve Online- Social Studies 1.1</i>  <i>Learn Smart Achieve Adaptive Social Studies 1.1</i>  <i>Top 50 Social Studies Skills: pg. 28, 49</i></p>		
<p><b>CG.b. Principles that have contributed to the development of American constitutional democracy.</b>                      Natural rights philosophy; Popular sovereignty and consent of the governed; Constitutionalism; Majority rule and minority rights; Checks and balances; Separation of powers; Rule of law; Individual rights; Federalism</p>	<p><i>Basics Social Studies Pg. 23, 28</i>  <i>Achieve Social Studies 1.2</i>  <i>Achieve Online- Social Studies 1.2</i>  <i>Learn Smart Achieve Adaptive Social Studies 1.1</i>  <i>Top 50 Social Studies Skills: pg. 23, 51</i></p>		
<p><b>CG.c. Structure and design of United States government.</b>                      Structure, powers, and authority of the federal executive, judicial, and legislative branches. Individual governmental positions (e.g., president, speaker of the house, cabinet secretary, etc.); Major powers and responsibilities of the federal and state governments; Shared powers; Amendment process; Governmental Departments and Agencies</p>	<p><i>Basics Social Studies 1.3, 1.4; Pg. 28-29, 166-167, 198-200</i>  <i>Achieve Social Studies 1.2, 1.3</i>  <i>Achieve Online- Social Studies 1.2, 1.3</i>  <i>Learn Smart Achieve Adaptive Social Studies 1.2</i>  <i>Top 50 Social Studies Skills: pg. 33</i></p>		
<p><b>CG.d. Individual rights and civic responsibilities.</b>                      The Bill of Rights; Personal and civil liberties of citizens</p>	<p><i>Basics Social Studies 1.6; Pg. 28-29</i>  <i>Achieve Social Studies 1.2, 2.1</i>  <i>Achieve Online- Social Studies 1.2, 2.1</i>  <i>Learn Smart Achieve Adaptive Social Studies 1.3</i>  <i>Top 50 Social Studies Skills: pg.23, 27, 29, 98, 102</i></p>		
<p><b>CG.e. Political parties, campaigns, and elections in American politics.</b>                      Political parties; Interest groups; Political campaigns, elections and the electoral process</p>	<p><i>Basics Social Studies 1.5</i>  <i>Achieve Social Studies 2.2</i>  <i>Achieve Online- Social Studies 2.2</i>  <i>Learn Smart Achieve Adaptive Social Studies 1.4</i>  <i>Top 50 Social Studies Skills: pg. 47, 81-82, 89</i></p>		
<p><b>CG.f. Contemporary Public Policy</b></p>	<p><i>Basics Social Studies 1.8</i>  <i>Achieve Social Studies 2.3</i>  <i>Achieve Online- Social Studies 2.3</i>  <i>Learn Smart Achieve Adaptive Social Studies 1.3</i>  <i>Top 50 Social Studies Skills: pg. 95, 98</i></p>		

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<b>United States History Content Topics</b>			
<p><b>USH.a Key historical documents that have shaped American constitutional government.</b> Key documents and the context and ideas that they signify (e.g. Magna Carta, Mayflower Compact, Declaration of Independence, United States Constitution, Martin Luther King’s Letter from the Birmingham Jail, landmark decisions of the United States Supreme Court )</p>	<p><i>Basics Social Studies</i> 2.1, pg. 20-21, 88, 120  <i>Achieve Social Studies</i> 1.2, 2.1, 3.1  <i>Achieve Online- Social Studies</i> 1.2, 2.1, 3.1  <i>Learn Smart Achieve Adaptive Social Studies</i> 2.1  <i>Top 50 Social Studies Skills:</i> pg. 31</p>		
<p><b>USH.b. Revolutionary and Early Republic Periods.</b> Revolutionary War; War of 1812; George Washington; Thomas Jefferson; Articles of Confederation; Manifest Destiny; U.S. Indian Policy</p>	<p><i>Basics Social Studies</i> Pg. 20-21, 23, 78-81, 122, 298  <i>Achieve Social Studies</i> 3.1, 3.2  <i>Achieve Online- Social Studies</i> 3.1, 3.2  <i>Learn Smart Achieve Adaptive Social Studies</i> 2.1, 2.2  <i>Top 50 Social Studies Skills:</i> pg. 25, 40, 51, 57, 119</p>		
<p><b>USH.c. Civil War and Reconstruction</b> Slavery; Sectionalism; Civil War Amendments; Reconstruction policies</p>	<p><i>Basics Social Studies</i> Pg. 50, 82, 86-91  <i>Achieve Social Studies</i> 3.3  <i>Achieve Online- Social Studies</i> 3.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 2.3  <i>Top 50 Social Studies Skills:</i> pg. 83, 97, 119</p>		
<p><b>USH.d. Civil Rights</b> Jim Crow laws; Women’s suffrage; Civil Rights Movement; Plessy vs. Ferguson and Brown vs. Board of Education; Warren court decisions</p>	<p><i>Basics Social Studies</i> Pg. 50-51, 62, 82, 90-91, 120-122  <i>Achieve Social Studies</i> 2.1  <i>Achieve Online- Social Studies</i> 2.1  <i>Learn Smart Achieve Adaptive Social Studies</i> 2.1, 2.4  <i>Top 50 Social Studies Skills:</i> pg. 48, 85, 88</p>		
<p><b>USH.e - European settlement on population of the Americas.</b></p>	<p><i>Basics Social Studies</i> Pg. 250  <i>Achieve Social Studies</i> 3.4  <i>Achieve Online- Social Studies</i> 3.4  <i>Learn Smart Achieve Adaptive Social Studies</i> 2.2  <i>Top 50 Social Studies Skills:</i> pg. 29, 59-60</p>		
<p><b>USH.f World Wars I &amp; II.</b> Alliance system; Imperialism, nationalism, and militarism; Russian Revolution; Woodrow Wilson; Treaty of Versailles and League of Nations; Neutrality Acts; Isolationism; Allied and Axis Powers; Fascism, Nazism, and totalitarianism; The Holocaust; Japanese-American internment; Decolonization; GI Bill</p>	<p><i>Basics Social Studies</i> Pg. 96-97, 110-112, 114, 154-155, 161, 253  <i>Achieve Social Studies</i> 4.1, 4.2, 4.3  <i>Achieve Online- Social Studies</i> 4.1, 4.2, 4.3  <i>Learn Smart Achieve Adaptive Social Studies</i> 3.1, 3.2, 3.4  <i>Top 50 Social Studies Skills:</i> pg. 26, 56, 73, 77, 87, 107, 119</p>		
<p><b>USH.g. The Cold War</b> Communism and capitalism; NATO and the Warsaw Pact; U.S. maturation as an international power; Division of Germany, Berlin Blockade and Airlift; Truman Doctrine; Marshall Plan; Lyndon B. Johnson and The Great Society; Richard Nixon and the Watergate scandal; Collapse of U.S.S.R. and democratization of Eastern Europe</p>	<p><i>Basics Social Studies</i> Pg. 113-114, 118-119, 126-127, 160-161  <i>Achieve Social Studies</i> 4.3, 4.4  <i>Achieve Online- Social Studies</i> 4.3, 4.4  <i>Learn Smart Achieve Adaptive Social Studies</i> 3.3, 3.4  <i>Top 50 Social Studies Skills:</i> pg. 24, 35, 43, 75, 95-96</p>		
<p><b>USH.h. American foreign policy since 9/11</b></p>	<p><i>Basics Social Studies</i> Pg. 139-141  <i>Achieve Social Studies</i> 4.5  <i>Achieve Online- Social Studies</i> 4.5  <i>Learn Smart Achieve Adaptive Social Studies</i> 3.4  <i>Top 50 Social Studies Skills:</i> pg. 27, 57, 78, 84, 95</p>		

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<b>Economics Content Topics</b>			
<b>E.a. Key economic events that have shaped American government and policies.</b>	<i>Basics Social Studies 6.1</i> <i>Achieve Social Studies 7.1</i> <i>Achieve Online- Social Studies 7.1</i> <i>Learn Smart Achieve Adaptive Social Studies 4.3</i> <i>Top 50 Social Studies Skills: pg.41, 82, 84</i>		
<b>E.b. Relationship between political and economic freedoms</b>	<i>Basics Social Studies 5.3</i> <i>Achieve Social Studies 7.2</i> <i>Achieve Online- Social Studies 7.2</i> <i>Learn Smart Achieve Adaptive Social Studies 4.3</i> <i>Top 50 Social Studies Skills: pg. 46-47, 81</i>		
<b>E.c. Fundamental Economic Concepts.</b> Markets; Incentives; Monopoly and competition; Labor and capital; Opportunity cost; Profit; Entrepreneurship; Comparative advantage; Specialization; Productivity; interdependence	<i>Basics Social Studies 5.1, 5.2, 5.5, 5.6, 5.7</i> <i>Achieve Social Studies 5.1, 5.2, 5.3, 5.4</i> <i>Achieve Online- Social Studies 5.1, 5.2, 5.3, 5.4</i> <i>Learn Smart Achieve Adaptive Social Studies 4.1</i> <i>Top 50 Social Studies Skills: pg. 52, 79, 92, 111, 117</i>		
<b>E.d. Microeconomics and Macroeconomics.</b> Supply, demand and price; Individual choice; Institutions; Fiscal and monetary policy; Regulation and costs of government policies; Investment; Government and market failures; Inflation and deflation; Gross domestic product (GDP); Unemployment; Tariffs	<i>Basics Social Studies 5.2, 5.3, 5.4, 5.8, 7.1; Pg. 171-172, 186-187, 194, 209, 244, 270</i> <i>Achieve Social Studies 6.1, 6.2, 6.3</i> <i>Achieve Online- Social Studies 6.1, 6.2, 6.3</i> <i>Learn Smart Achieve Adaptive Social Studies 4.2</i> <i>Top 50 Social Studies Skills: pg. 41, 49, 80, 82-83, 93-94, 103, 105-106, 116</i>		
<b>E.e Consumer economics</b> Types of credit; Savings and banking; Consumer credit laws	<i>Basics Social Studies 5.9; Pg.198</i> <i>Achieve Social Studies 8.1, 8.2, 8.3</i> <i>Achieve Online- Social Studies 8.1, 8.2, 8.3</i> <i>Learn Smart Achieve Adaptive Social Studies 4.4</i> <i>Top 50 Social Studies Skills: pg. 106</i>		
<b>E.f. Economic causes and impacts of wars.</b>	<i>Basics Social Studies Pg.112, 128, 197, 253</i> <i>Achieve Social Studies 7.2</i> <i>Achieve Online- Social Studies 7.2</i> <i>Learn Smart Achieve Adaptive Social Studies 4.3</i> <i>Top 50 Social Studies Skills: pg. 86-87, 91, 99</i>		
<b>E.g. Economic drivers of exploration and colonization.</b>	<i>Basics Social Studies 6.2</i> <i>Achieve Social Studies 7.2</i> <i>Achieve Online- Social Studies 7.2</i> <i>Learn Smart Achieve Adaptive Social Studies 4.3</i> <i>Top 50 Social Studies Skills: pg. 59, 79, 87</i>		
<b>E.h. Scientific and Industrial Revolutions.</b>	<i>Basics Social Studies 6.3</i> <i>Achieve Social Studies 7.3</i> <i>Achieve Online- Social Studies 7.3</i> <i>Learn Smart Achieve Adaptive Social Studies 4.3</i> <i>Top 50 Social Studies Skills: pg. 33</i>		

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<b>Geography Content Topics</b>			
<b>G.a. Development of classical civilizations.</b>	<i>Achieve Social Studies 9.1</i> <i>Achieve Online- Social Studies 9.1</i> <i>Learn Smart Achieve Adaptive Social Studies 5.1</i> <i>Top 50 Social Studies Skills: pg. 23, 59, 64, 74</i>		
<b>G.b Relationships between the environment and societal development.</b> Nationhood and statehood; Sustainability; Technology; Natural resources; Human changes to the environment	<i>Basics Social Studies 8.4, 8.5; Pg.135, 289, 293-294, 311-312</i> <i>Achieve Social Studies 9.2, 9.3</i> <i>Achieve Online- Social Studies 9.2, 9.3</i> <i>Learn Smart Achieve Adaptive Social Studies 5.1</i> <i>Top 50 Social Studies Skills: pg. 60, 64-65, 67-68, 81, 105, 109-110, 115</i>		
<b>G.c Borders between peoples and nations.</b> Concepts of region and place; Natural and cultural diversity; Geographic tools and skills	<i>Basics Social Studies 8.1, 8.2, 8.6, Pg.292</i> <i>Achieve Social Studies 10.1, 10.2</i> <i>Achieve Online- Social Studies 10.1, 10.2</i> <i>Learn Smart Achieve Adaptive Social Studies 5.2</i> <i>Top 50 Social Studies Skills: pg. 62-63, 67, 71, 108</i>		
<b>G.d Human migration.</b> Immigration, emigration and Diaspora; Culture, cultural diffusion and assimilation; Population trends and issues; Rural and urban settlement	<i>Basics Social Studies 8.3</i> <i>Achieve Social Studies 10.2, 10.3</i> <i>Achieve Online- Social Studies 10.2, 10.3</i> <i>Learn Smart Achieve Adaptive Social Studies 5.3</i> <i>Top 50 Social Studies Skills: pg. 58, 60, 66, 69, 77, 84, 95, 109</i>		

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GED® test Assessment Target*	McGraw-Hill Education Materials	Assigned	Completed
<b>Mathematical Practices</b>			
<p><b>MP.1 Building Solution Pathways and Lines of Reasoning</b> Search for and recognize entry points for solving a problem. Plan a solution pathway or outline a line of reasoning. Select the best solution pathway, according to given criteria. Recognize and identify missing information that is required to solve a problem. Select the appropriate mathematical technique(s) to use in solving a problem or a line of reasoning.</p>	<p><i>Basics Mathematics</i> 4.5, 5.1, 5.2, 5.3, 6.5, 7.3, 7.6, 11.2, 12.2, 12.4  <i>Achieve Mathematics</i> 1.2, 2.1, 2.2, 3.1, 3.2, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.3, 5.4, 6.1, 6.2, 7.1, 7.2, 7.3, 7.4, 8.1  <i>Achieve Online- Mathematics</i> 1.2, 2.1, 2.2, 3.1, 3.2, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.3, 5.4, 6.1, 6.2, 7.1, 7.2, 7.3, 7.4, 8.1  <i>Learn Smart Achieve Adaptive Mathematics</i> 2.1, 2.4, 3.1, 3.2, 3.3, 3.4, 5.1, 5.2, 7.1, 7.2, 8.1, 8.2, 9.1, 10.1, 10.4, 11.2  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 22-29  <i>Top 50 Math Skills</i> pg. 14-15, 54-55</p>		
<p><b>MP2. Abstracting Problems</b> Represent real world problems algebraically. Represent real world problems visually. Recognize the important and salient attributes of a problem.</p>	<p><i>Basics Mathematics</i> 4.2, 5.2, 5.3, 10.1, 10.3  <i>Achieve Mathematics</i> 1.1, 2.1, 2.2, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.3, 5.4, 6.3, 6.4, 7.1, 7.2, 7.3, 7.4, 8.1, 8.3, 8.4,  <i>Achieve Online- Mathematics</i> 1.1, 2.1, 2.2, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.3, 5.4, 6.3, 6.4, 7.1, 7.2, 7.3, 7.4, 8.1, 8.3, 8.4,  <i>Learn Smart Achieve Adaptive Mathematics</i> 1.1, 2.1, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 4.2, 7.2, 8.1, 8.2, 8.3, 8.4, 9.2, 10.1, 10.2, 10.4, 11.1  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 27, 124  <i>Top 50 Math Skills</i> pg. 54, 98-99</p>		
<p><b>MP.3 Furthering Lines of Reasoning</b> Build steps of a line reasoning or solution pathway, based on previous step or givens. Complete the lines of reasoning of others. Improve or correct a flawed line of reasoning.</p>	<p><i>Basics Mathematics</i> 7.4, 9.3  <i>Achieve Mathematics</i> 1.2, 4.4, 5.1, 5.3, 6.1, 6.2, 6.3, 8.1, 8.2, 8.3, 8.4  <i>Achieve Online- Mathematics</i> 1.2, 4.4, 5.1, 5.3, 6.1, 6.2, 6.3, 8.1, 8.2, 8.3, 8.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 2.1, 4.1, 4.2, 10.1, 10.2, 10.4, 11.2  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 26-27</p>		
<p><b>MP.4 Mathematical Fluency</b> Manipulate and solve arithmetic expressions. Transform and solve algebraic expressions. Display data or algebraic expressions graphically.</p>	<p><i>Basics Mathematics</i> 1.6, 5.1, 5.3, 8.1, 11.1, 12.7  <i>Achieve Mathematics</i> 1.2, 1.3, 1.4, 2.3, 2.4, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.3, 5.4, 6.1, 6.2, 6.3, 6.4, 8.1, 8.2, 8.3, 8.4  <i>Achieve Online- Mathematics</i> 1.2, 1.3, 1.4, 2.3, 2.4, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 5.1, 5.3, 5.4, 6.1, 6.2, 6.3, 6.4, 8.1, 8.2, 8.3, 8.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 1.2, 2.1, 2.2, 4.1, 4.2, 5.1, 5.2, 6.1, 6.2, 7.2, 8.1, 8.2, 8.3, 8.4, 9.1, 10.1, 10.2, 10.4, 11.1, 11.2  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 113-114  <i>Top 50 Math Skills</i> pg. 100-101</p>		
<p><b>MP.5 Evaluating Reasoning and Solution Pathways</b> Recognize flaws in others’ reasoning. Recognize and use counterexamples. Identify the information required to evaluate a line of reasoning.</p>	<p><i>Basics Mathematics</i> 5.4, 7.2, 7.5, 8.2, 10.2, 12.1  <i>Achieve Mathematics</i> 1.1, 3.2, 3.4, 4.1, 4.2, 4.4, 5.1, 5.2, 5.3  <i>Achieve Online- Mathematics</i> 1.1, 3.2, 3.4, 4.1, 4.2, 4.4, 5.1, 5.2, 5.3  <i>Learn Smart Achieve Adaptive Mathematics</i> 1.1, 7.2, 8.1, 10.1, 10.3</p>		

GED® test Assessment Target*	McGraw-Hill Education Materials	Assigned	Completed
<b>Quantitative Problem Solving Content Topics</b>			
<p><b>Q.1 Apply number sense concepts, including ordering rational numbers, absolute value, multiples, factors, and exponents</b></p> <p>Order fractions and decimals, including on a number line. Apply number properties involving multiples and factors, such as using the least common multiple, greatest common factor, or distributive property to rewrite numeric expressions. Apply rules of exponents in numerical expressions with rational exponents to write equivalent expressions with rational exponents. Identify absolute value or a rational number as its distance from zero on the number line and determine the distance between two rational numbers on the number line, including using the absolute value of their difference.</p>	<p><i>Basics Mathematics</i> 1.4, 3.1, 4.1, 8.1  <i>Achieve Mathematics</i> 1.1, 1.2, 1.3  <i>Achieve Online- Mathematics</i> 1.1, 1.2, 1.3  <i>Learn Smart Achieve Adaptive Mathematics</i> 1.1, 1.2  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 14, 16-17, 32-34, 49-53, 68-69  <i>Top 50 Math Skills</i> pg. 16-17, 20-21, 24-25, 134-137, 145  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 1.2, 1.5, Unit 2, Unit 3, Unit 4, Unit 7  <i>EMPower, Everyday Number Sense:</i> pp. 32-36, 39-40, 45-46, 52-61, 64, 69-73, 75-76, 108, 111, 114, 150-158, 161  <i>EMPower, Operation Sense:</i> pp. 49  <i>EMPower, Seeking Patterns, Building Rules:</i> pp. 28-29  <i>EMPower, Split It Up:</i> pp. 62-63, 70, 78, 90  <i>Number Power, Fractions, Decimals, and Percents:</i> pp. 14, 71  <i>Number Power, Algebra:</i> pp. 11-21, 26-33, 152-153, 194-195  <i>Number Power, Problem-Solving and Test-Taking Strategies:</i> pp. 29, 120-123  <i>Number Power, Pre-Algebra:</i> pp. 14-15, 19, 24-25, 144-145, 172-173  <i>Number Power, Review:</i> pp. 32-35, 40-45, 62, 87-93, 96-103, 120-121, 124-129  <i>Number Power, Transitions Math:</i> pp. 2-3, 5, 8, 35, 52, 54-55</p>		
<p><b>Q.2 Add, subtract, multiply, divide, and use exponents and roots of rational, fraction, and decimal numbers</b></p> <p>Perform addition, subtraction, multiplication, and division on rational numbers. Perform computations and write numerical expressions with squares and square roots of rational numbers. Perform computations and write numerical expressions with cubes and cube roots of rational numbers. Determine when a numerical expression is undefined. Solve single-step or multistep real-world arithmetic problems involving the four operations with rational numbers, including those involving scientific notation.</p>	<p><i>Basics Mathematics</i> 1.2, 1.3, 2.2, 2.3, 2.4, 3.2, 3.3, 3.4, 4.1, 4.3, 5.2, 5.5, 6.1, 7.6, 8.1, 8.2, 8.3, 11.1, 12.6  <i>Achieve Mathematics</i> 1.2, 1.3, 1.4, 2.2, 4.4  <i>Achieve Online- Mathematics</i> 1.2, 1.3, 1.4, 2.2, 4.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 2.1, 2.2, 2.4  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 18-19, 22-24, 26-29, 36-45, 56-65, 70-73  <i>Top 50 Math Skills</i> pg. 18-19, 22-23, 26-29, 134-137, 141-142, 145-148  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 1.5, Unit 6, Unit 15  <i>EMPower, Everyday Number Sense:</i> pp. 10-14, 18-20, 28-29, 84-90, 97-98, 120, 122, 126-131, 167-169  <i>EMPower, Operation Sense:</i> pp. 26-29, 44-47, 53, 66-67, 71, 91, 127  <i>EMPower, Seeking Patterns, Building Rules:</i> pp. 8-14, 92, 105-106, 144-145  <i>Number Power, Fractions, Decimals, and Percents:</i> pp. 22-25, 30-36, 38-44, 46-56, 58-59, 74-77, 79-84, 86-93, 95-96  <i>Number Power, Algebra:</i> pp. 22-23, 31-35, 38-39, 155  <i>Number Power, Graphs, Charts, Schedules and Maps:</i> pp. 154-159  <i>Number Power, Word Problems:</i> pp. 23-24, 31-36, 44-47, 50-51, 54-56, 59, 61, 63, 68-70, 77, 79, 82-83, 109-111  <i>Number Power, Problem-Solving and Test-Taking Strategies:</i> pp. 31, 37, 39, 42-43, 180  <i>Number Power, Measurement:</i> pp. 134-139  <i>Number Power, Pre-Algebra:</i> pp. 39, 41, 144-145  <i>Number Power, Review:</i> pp. 36-37, 46-49, 94-95, 104-105, 122-123, 130-131, 222-223  <i>Number Power, Transitions Math:</i> pp. 6-12</p>		



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<p><b>Q.3 Calculate and use ratios, percents, and scale factors</b>                      Compute unit rates. Examples include but are not limited to: unit pricing, constant speed, persons per square mile, BTUs (British thermal units) per cubic foot. Use scale factors to determine the magnitude of a size change. Convert between actual drawings and scale drawings. Solve multistep, real-world arithmetic problems using ratios or proportions including those that require converting units of measure. Solve two-step, real-world arithmetic problems involving percents. Examples include but are not limited to: simple interest, tax, markups and markdowns, gratuities and commissions, percent increase and decrease.</p>	<p><i>Basics Mathematics</i> 7.1, 7.2, 7.3, 7.5, 7.6, 11.1, 11.2, 12.3  <i>Achieve Mathematics</i> 2.1, 2.2  <i>Achieve Online- Mathematics</i> 2.1, 2.2  <i>Learn Smart Achieve Adaptive Mathematics</i> 2.3, 2.4  <i>EMPower, Everyday Number Sense</i>: pp. 159  <i>EMPower, Keeping Things in Proportion</i>: pp. 8-20, 29-32, 36-45, 58-65, 68-69, 81, 86-87, 89-94, 106-107, 116-118, 122-127  <i>EMPower, Over, Around, and Within</i>: pp. 43-46, 48-50, 82, 87-92, 107-113  <i>EMPower, Seeking Patterns, Building Rules</i>: pp. 115-118, 126-131, 136-141, 143  <i>EMPower, Split It Up</i>: pp. 13-15, 36-40, 44-51, 54, 58-59, 61, 82-84  <i>EMPower, Using Benchmarks</i>: pp. 26-27, 36-38, 53, 78-79, 88-90  <i>Number Power, Fractions, Decimals, and Percents</i>: pp. 146-163  <i>Number Power, Algebra</i>: pp. 93, 96-97, 174-179  <i>Number Power, Geometry</i>: pp. 54-61  <i>Number Power, Graphs, Charts, Schedules and Maps</i>: pp. 114-115, 124-129, 169  <i>Number Power, Word Problems</i>: pp. 89-97, 116-119, 126-129  <i>Number Power, Problem-Solving and Test-Taking Strategies</i>: pp. 90-97, 182-183, 188-191  <i>Number Power, Measurement</i>: pp. 19-20, 120-121, 130-131, 144-145  <i>Number Power, Pre-Algebra</i>: pp. 44-47, 50-51, 178-179, 186-189  <i>Number Power, Review</i>: pp. 108-109, 154-159, 196-199, 218-221  <i>Number Power, Transitions Math</i>: pp. 117-127, 130-132  <i>Achieving TABE Success in Mathematics Level A</i>: pp. 76-82, 87-91, 148-152  <i>Top 50 Math Skills</i> pg. 32-41, 44-53, 138-139  <i>Instruction Targeted for TABE Success, Level A, Mathematics</i>: Lesson 1.4, Unit 5, Lesson 6.3, • Lesson 6.4, Lesson 9.1</p>		
<p><b>Q.4 Calculate dimensions, perimeter, circumference, and area of two-dimensional figures</b>                      Compute the area and perimeter of triangles and rectangles. Determine side lengths of triangles and rectangles when given area or perimeter. Compute the area and circumference of circles. Determine the radius or diameter when given area or circumference. Compute the perimeter of a polygon. Given a geometric formula, compute the area of a polygon. Determine side lengths of the figure when given the perimeter or area. Compute perimeter and area of 2-D composite geometric figures, which could include circles, given geometric formulas as needed. Use the Pythagorean theorem to determine unknown side lengths in a right triangle.</p>	<p><i>Basics Mathematics</i> 12.2, 12.4, 12.5  <i>Achieve Mathematics</i> 7.1, 7.2, 7.4  <i>Achieve Online- Mathematics</i> 7.1, 7.2, 7.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 3.1, 3.2  <i>EMPower, Operation Sense</i>: pp. 97, 113, 123, 125-126  <i>EMPower, Over, Around, and Within</i>: pp. 62, 65, 72-73, 76  <i>EMPower, Seeking Patterns, Building Rules</i>: pp. 97  <i>Number Power, Fractions, Decimals, and Percents</i>: pp. 136-139, 142-145  <i>Number Power, Algebra</i>: pp. 49-51, 188-189  <i>Number Power, Geometry</i>: pp. 74-76, 92-124, 148, 149  <i>Number Power, Word Problems</i>: pp. 167, 176  <i>Number Power, Problem-Solving and Test-Taking Strategies</i>: pp. 154-161, 164-168  <i>Number Power, Measurement</i>: pp. 40-41, 128-129  <i>Number Power, Pre-Algebra</i>: pp. 114-119, 190-191  <i>Number Power, Review</i>: pp. 224-231  <i>Number Power, Transitions Math</i>: pp. 27, 45, 90-91, 128-130, 197  <i>Achieving TABE Success in Mathematics Level A</i>: pp. 139, 153-155  <i>Top 50 Math Skills</i> pg. 60-63  <i>Instruction Targeted for TABE Success, Level A, Mathematics</i>: Lesson 9.2, Lesson 9.3, Lesson 10.3, Lesson 10.4</p>		

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<p><b>Q.5 Calculate dimensions, surface area, and volume of three-dimensional figures</b>                      When given geometric formulas, compute volume and surface area of rectangular prisms. Solve for side lengths or height, when given volume or surface areas. When given geometric formulas, compute volume and surface area of cylinders. Solve for height, radius, or diameter when given volume or surface area. Use geometric formulas to compute volume and surface area of right prisms. Solve for side lengths or height, when given volume or surface area. When given geometric formulas, compute volume and surface area of right pyramids and cones. Solve for side lengths, height, radius, or diameter when given volume or surface area. When given geometric formulas, compute volume and surface area of spheres. Solve for radius or diameter when given the surface area. Compute surface area and volume of composite 3-D geometric figures, given geometric formulas as needed.</p>	<p><i>Basics Mathematics</i> 12.6, 12.7  <i>Achieve Mathematics</i> 7.3, 7.4  <i>Achieve Online- Mathematics</i> 7.3, 7.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 3.3, 3.4  <i>EMPower, Keeping Things in Proportion</i>: pp. 82-83  <i>EMPower, Operation Sense</i>: pp. 124  <i>EMPower, Over, Around, and Within</i>: pp. 129, 134, 137-140  <i>Number Power, Fractions, Decimals, and Percents</i>: pp. 140-141  <i>Number Power, Algebra</i>: pp. 50-51, 145  <i>Number Power, Geometry</i>: pp. 125-127, 129-145, 157  <i>Number Power, Problem-Solving and Test-Taking Strategies</i>: pp. 161, 164  <i>Number Power, Measurement</i>: pp. 94-101, 139-141  <i>Number Power, Pre-Algebra</i>: pp. 120-121, 182-184  <i>Number Power, Review</i>: pp. 232-235  <i>Achieving TABE Success in Mathematics Level A</i>: pp. 156-157  <i>Top 50 Math Skills</i> pg. 64-65, 95  <i>Instruction Targeted for TABE Success, Level A, Mathematics</i>: Lesson 9.4</p>		
<p><b>Q.6 Interpret and create data displays</b>                      Represent, display, and interpret categorical data in bar graphs or circle graphs. Represent, display, and interpret data involving one variable plots on the real number line including dot plots, histograms, and box plots. Represent, display, and interpret data involving two variables in tables and the coordinate plane including scatter plots and grants.</p>	<p><i>Basics Mathematics</i> 6.4, 9.2, 9.3  <i>Achieve Mathematics</i> 8.2, 8.3, 8.4  <i>Achieve Online- Mathematics</i> 8.2, 8.3, 8.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 4.1, 4.2  <i>EMPower, Many Points Make a Point</i>: pp. 9-13, 36-44, 48-59, 64-71, 76-86, 100-108, 122-130  <i>EMPower, Seeking Patterns, Building Rules</i>: pp. 52-60  <i>EMPower, Split It Up</i>: pp. 79-80  <i>Number Power, Algebra</i>: pp. 172-173  <i>Number Power, Graphs, Charts, Schedules and Maps</i>: pp. 32-61, 172-176  <i>Number Power, Problem-Solving and Test-Taking Strategies</i>: pp. 141-144  <i>Number Power, Analyzing Data</i>: pp. 30-35, 44-51, 74-81, 119-123  <i>Number Power, Pre-Algebra</i>: pp. 74-75, 78-83  <i>Number Power, Review</i>: pp. 78-79, 160-161  <i>Achieving TABE Success in Mathematics Level A</i>: pp. 98-107  <i>Top 50 Math Skills</i>: pp. 74-89  <i>Instruction Targeted for TABE Success, Level A, Mathematics</i>: Unit 11</p>		

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<p><b>Q.7 Calculate and use mean, median, mode, and weighted average</b>                      Calculate the mean, median, mode and range. Calculate a missing data value, given the average and all the missing data values but one, as well as calculating the average, given the frequency counts of all the data values, and calculating a weighted average.</p>	<p><i>Basics Mathematics</i> 9.1  <i>Achieve Mathematics</i> 8.1  <i>Achieve Online- Mathematics</i> 8.1  <i>Learn Smart Achieve Adaptive Mathematics</i> 5.1, 5.2  <i>EMPower, Many Points Make a Point:</i> pp. 90-96, 112-117  <i>Number Power, Analyzing Data:</i> pp. 52-54, 56  <i>Number Power, Pre-Algebra:</i> pp. 42, 72-73  <i>Number Power, Review:</i> pp. 54-55  <i>Number Power, Transitions Math:</i> pp. 4  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 96-97  <i>Top 50 Math Skills :</i> pp. 70-73  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 12.2.</p>		
<p><b>Q.8 Utilize counting techniques and determine probabilities</b>                      Use counting techniques to solve problems and determine combinations and permutations. Determine the probability of simple and compound events.</p>	<p><i>Basics Mathematics</i> 10.1, 10.2, 10.3  <i>Achieve Mathematics</i> 2.3, 2.4  <i>Achieve Online- Mathematics</i> 2.3, 2.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 6.1, 6.2  <i>EMPower, Keeping Things in Proportion:</i> pp. 24-28  <i>EMPower, Many Points Make a Point:</i> pp. 23-31  <i>Number Power, Analyzing Data:</i> pp. 86-99, 106-111  <i>Number Power, Pre-Algebra:</i> pp. 88-103  <i>Number Power, Review:</i> pp. 172-179  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 94-95  <i>Top 50 Math Skills :</i> pp. 90-93  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Unit 12</p>		
<b>Algebraic Problem Solving Content Topics</b>			
<p><b>A.1 Write, evaluate, and compute with expressions and polynomials</b>                      Add, subtract, factor, multiply, and expand linear expressions with rational coefficients. Evaluate linear expressions by substituting integers for unknown quantities. Write linear expressions as part of word-to-symbol translations or to represent common settings. Add, subtract, multiply polynomials, including multiplying two binomials, or divide factorable polynomials. Evaluate polynomial expressions by substituting integers for unknown quantities. Factor polynomial expressions. Write polynomial expressions as part of word-to-symbol translations or to represent common settings. Add, subtract, multiply and divide rational expressions. Evaluate rational expressions by substituting integers for unknown quantities. Write rational expressions as part of word-to-symbol translations or to represent common settings.</p>	<p><i>Basics Mathematics</i> 5.1  <i>Achieve Mathematics</i> 3.1, 4.1, 4.2, 4.4  <i>Achieve Online- Mathematics</i> 3.1, 4.1, 4.2, 4.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 7.1, 7.2  <i>Top 50 Math Skills</i> pg. 96-97, 100-101  <i>EMPower, Seeking Patterns, Building Rules:</i> pp. 10-15, 43-45  <i>Number Power, Algebra:</i> pp. 44-48, 52-53, 137-146, 148-149, 156-159  <i>Number Power, Pre-Algebra:</i> pp. 140-143, 146-147  <i>Number Power, Transitions Math:</i> pp. 15-26, 156-157  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 114-116, 120  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 13.4, Lesson 13.5, Lesson 14.2</p>		

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<p><b>A.2 Write, manipulate, solve, and graph linear equations</b> Solve one-variable linear equations with rational number coefficients, including equations for which solutions require expanding expressions using the distributive property and collecting like terms or equations with coefficients represented by letters. Solve real-world problems involving linear equations. Write one-variable and multi-variable linear equations to represent context. Solve a system of two simultaneous linear equations by graphing, substitution, or linear combination. Solve real-world problems leading to a system of linear equations.</p>	<p><i>Basics Mathematics</i> 5.2, 5.3, 6.1, 6.3  <i>Achieve Mathematics</i> 3.2, 3.4  <i>Achieve Online- Mathematics</i> 3.2, 3.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 8.1, 8.2  <i>EMPower, Seeking Patterns, Building Rules:</i> pp. 105-108, 120-121, 132  <i>Number Power, Algebra:</i> pp. 60-67, 72-79, 80-83, 85, 98-101, 118-119, 174-175  <i>Number Power, Word Problems:</i> pp. 52-53  <i>Number Power, Problem-Solving and Test-Taking Strategies:</i> pp. 72-89  <i>Number Power, Pre-Algebra:</i> pp. 148-157  <i>Number Power, Review:</i> pp. 182-195  <i>Number Power, Transitions Math:</i> pp. 35-43, 46-47, 99-113  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 117-119, 121-125  <i>Top 50 Math Skills:</i> pp. 98-99, 110-111  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 14.4</p>		
<p><b>A.3 Write, manipulate, solve, and graph linear inequalities</b> Solve linear inequalities in one variable with rational number coefficients. Identify or graph the solution to a one variable linear inequality on a number line. Solve real-world problems involving inequalities. Write linear inequalities in one variable to represent context.</p>	<p><i>Basics Mathematics</i> 5.4  <i>Achieve Mathematics</i> 3.3, 3.4  <i>Achieve Online- Mathematics</i> 3.3, 3.4  <i>Learn Smart Achieve Adaptive Mathematics</i> 8.3, 8.4  <i>Number Power, Algebra:</i> pp. 125-130  <i>Number Power, Transitions Math:</i> pp. 32-33, 48-51  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 117, 126-127  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 13.3, Lesson 14.3</p>		
<p><b>A.4 Write, manipulate, and solve quadratic equations</b> Solve quadratic equations in one variable with rational coefficients and real solutions, using appropriate methods (e.g., quadratic formula, completing the square, factoring, and inspection). Write one-variable quadratic equations to represent context.</p>	<p><i>Basics Mathematics</i> 12.5  <i>Achieve Mathematics</i> 4.3  <i>Achieve Online- Mathematics</i> 4.3  <i>Learn Smart Achieve Adaptive Mathematics</i> 9.1, 9.2  <i>Number Power, Algebra:</i> pp. 102-103, 105  <i>Number Power, Transitions Math:</i> pp., 140-149, 163-175</p>		
<p><b>A.5 Connect and interpret graphs and functions</b> Locate points in the coordinate plane. Determine the slope of a line from a graph, equation, or table. Interpret unit rate as the slope in a proportional relationship. Graph two-variable linear equations. For a function that models a linear or nonlinear relationship between two quantities, interpret key features of graphs and tables in terms of quantities, and sketch graphs showing key features of graphs and tables in terms of 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.</p>	<p><i>Basics Mathematics</i> 4.5, 6.1, 6.2, 6.5, 7.2  <i>Achieve Mathematics</i> 5.1, 5.3, 6.3  <i>Achieve Online- Mathematics</i> 5.1, 5.3, 6.3  <i>Learn Smart Achieve Adaptive Mathematics</i> 10.1, 10.2, 10.4  <i>EMPower, Seeking Patterns, Building Rules:</i> pg. 8-14, 18-20, 37-41, 114-118  <i>Number Power, Algebra:</i> pp. 110-117  <i>Number Power, Pre-Algebra:</i> pp. 130-131  <i>Number Power, Review:</i> pp. 202-207  <i>Number Power, Transitions Math:</i> pp. 65-74, 206-208  <i>Achieving TABE Success in Mathematics Level A:</i> pp. 140  <i>Top 50 Math Skills :</i> pp. 66-69, 102-109  <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 14.4</p>		

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<p><b>A.6 Connect coordinates, lines, and equations</b> Write the equation of a line with a given slope through a given point. Write the equation of a line passing through two given distinct points. Use slope to identify parallel and perpendicular lines and to solve geometric problems.</p>	<p><i>Basics Mathematics</i> 6.2 <i>Achieve Mathematics</i> 5.1, 5.2 <i>Achieve Online- Mathematics</i> 5.1, 5.2 <i>Learn Smart Achieve Adaptive Mathematics</i> 10.3, 10.4 Number Power, Review: pp. 206 <i>Number Power, Transitions Math:</i> pp. 71-72, 83-86 <i>Top 50 Math Skills</i> pp. 68</p>		
<p><b>A.7 Compare, represent, and evaluate functions</b> Compare two different proportional relationships represented in different ways. Examples include but are not limited to: compare a distance-time graph to a distance-time equation to determine which of two moving objects has a greater speed. Represent or identify a function in a table or graph as having exactly one output (one element in the range) for each input (each element in the domain). Evaluate linear and quadratic functions for values in their domain when represented using function notation. Compare properties of two linear or quadratic functions each represented in a different way (algebraically, numerically in tables, graphically or by verbal descriptions). Examples include but are not limited to: given a linear function represented by a table of values and a linear function represented by an algebraic expression, determine which function has the greater rate of change.</p>	<p><i>Basics Mathematics</i> 6.5, 7.2 <i>Achieve Mathematics</i> 6.1, 6.2, 6.4 <i>Achieve Online- Mathematics</i> 6.1, 6.2, 6.4 <i>Learn Smart Achieve Adaptive Mathematics</i> 11.1, 11.2 <i>EMPower, Keeping Things in Proportion:</i> pp. 65-67, 92-94 <i>EMPower, Seeking Patterns, Building Rules:</i> pp. 8-14, 18-20, 37-41, 114-118 <i>Number Power, Algebra:</i> pp. 111-121 <i>Number Power, Pre-Algebra:</i> pp. 84-85, 136-137, 180-181 <i>Number Power, Transitions Math:</i> pp. 204-209 <i>Achieving TABE Success in Mathematics Level A:</i> pp. 104, 112 <i>Top 50 Math Skills:</i> pp. 68-69, 88-89, 104-105, 112-113 <i>Instruction Targeted for TABE Success, Level A, Mathematics:</i> Lesson 14.1, Lesson 14.4</p>		

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