Contemporary/McGraw-Hill

Roadmap to the 2014 GED® Test

with alignments to

CCSS COMMON CORE STATE STANDARDS
Preparing Students for 21st Century College and Careers

On June 2, 2010, the Common Core State Standards (CCSS) were launched as part of the National Governors Association/Council of Chief State School Officers (NGA/CCSO) Common Core initiative. As a world leader in providing high-quality instructional materials for students from kindergarten through college and career preparation, McGraw-Hill Education is an endorsing partner of the Common Core initiative.

The Common Core State Standards are rigorous and include college and career anchor standards that establish what skills students can be expected to demonstrate as they prepare for college and the 21st-Century workplace. The 2014 GED® Test is expected to use Assessment Targets, which are based on the CCSS as well as individual state standards. As adult education prepares for a shift toward the CCSS and the 2014 GED®, there are a number of challenges and questions that lie ahead. How will the Common Core State Standards impact what is taught in adult education, as well as how it is taught? How will students prepare for the new 2014 GED® Test and other tests that are CCSS-aligned? Do the materials I currently use align to the CCSS? Will there be new instructional materials aligned to the CCSS?

Contemporary/McGraw-Hill – Your Partner in Adult Education

As a trusted partner in adult education, Contemporary/McGraw-Hill is committed to providing adult educators and students with the instructional materials, resources, and professional development tools needed to raise the bar for college and career readiness and meet the requirements of groundbreaking reforms such as the Common Core State Standards and the 2014 GED® Test. As part of that commitment we offer the following roadmap, which provides detailed information as to how Contemporary’s programs in adult literacy and numeracy align to the Assessment Targets of the 2014 GED® Test and the related Common Core State Standards. This invaluable resource will help you to map out how to provide comprehensive instruction and practice to help your students achieve their college and career readiness goals.

Use your smart phone to learn more about McGraw-Hill Education’s Common Core Solutions. www.commoncoresolutions.com/adult_education.php
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to Use this Roadmap</td>
<td>1</td>
</tr>
<tr>
<td>Literacy Assessment Targets</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics Assessment Targets</td>
<td>5</td>
</tr>
<tr>
<td>Science Assessment Targets</td>
<td>11</td>
</tr>
<tr>
<td>Social Studies Assessment Targets</td>
<td>13</td>
</tr>
<tr>
<td>Contemporary McGraw-Hill Resources</td>
<td>17</td>
</tr>
</tbody>
</table>
How to Use This Roadmap

The purpose of this roadmap is to help you identify how the suite of Contemporary/McGraw-Hill Adult Education products correlate to the 2014 GED® Assessment Targets for Literacy and Mathematics. To use this roadmap, first identify the 2014 GED® Assessment Target in the left column. If a Common Core State Standard (CCSS) was referenced to develop that Assessment Target, it will be identified in parenthesis below the Assessment Target. Next, refer to the column on the right to identify all Contemporary/McGraw-Hill titles that align to that Assessment Target or CCSS. If no page numbers are specified, then the entire lesson/chapter/unit references that Assessment Target or CCSS.

For Literacy Assessment Targets, the corresponding College and Career Readiness Anchor Standards (upon which all English Language Arts CCSS are based) are identical to the Assessment Target itself. For Mathematics, the CCSS standards that relate to each assessment target are listed below the Assessment Target.

For Social Studies and Science Assessment Targets, no CCSS were developed or will be developed. However, there are Literacy CCSS that cover these two subjects, but these were not referenced in the creation of the Assessment Targets. This roadmap currently reflects alignment to the CCSS and 2014 GED® Assessment Targets only.

Test Information

The 2014 GED® test will include four content areas (Literacy, Mathematics, Science and Social Studies) with assessment targets based on the Common Core State Standards, and a variety of computer-based item types. The items are following the complexity of cognitive levels found in Webb’s Depth of Knowledge Model, with 20% of the test items written at Webb’s DOK level 1, 80% at levels 2 & 3, and none at level 4.

The interactivity of the computer-based test will allow for a greater variety of item types with the new test. The following table identifies the types of items that will be used across all four test areas.

<table>
<thead>
<tr>
<th>Computer-Based Item Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Choice</td>
</tr>
<tr>
<td>Fill in the Blank</td>
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<tr>
<td>Drag-and-Drop</td>
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<tr>
<td>Cloze</td>
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<td>Hot Spot</td>
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<tr>
<td>Short Answer</td>
</tr>
<tr>
<td>Extended Response</td>
</tr>
</tbody>
</table>

<p>| |</p>
<table>
<thead>
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</thead>
<tbody>
<tr>
<td>4 options/ choices</td>
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<tr>
<td>Short phrase or complete a sentence; specific numerical answer</td>
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<tr>
<td>Interactive tasks, including Venn diagrams and timelines</td>
</tr>
<tr>
<td>Multiple response options embedded within text; options in a drop down menu and include a clear best choice</td>
</tr>
<tr>
<td>Items consist of a graphic image with virtual “sensors” within the image</td>
</tr>
<tr>
<td>Demonstrate understanding of cognitively complex skill</td>
</tr>
<tr>
<td>Analyze one or more source texts (of up to 650 words) to produce a writing sample</td>
</tr>
</tbody>
</table>

Scoring Rubric: 3 traits/4 point scale (45 minutes)

1st trait – evidence from source documents supports position taken in writing sample
2nd trait – development and organization
3rd trait – fluency with conventions of Edited American English

Resources

The complete Common Core State Standards
www.corestandards.org

Texas College and Career Readiness Standards
www.thecb.state.tx.us/collegereadiness/crs.pdf

The Virginia Standards of Learning
www.doe.virginia.gov/testing/sol/standards_docs/index.shtml

Comparison of Bloom’s Taxonomy and Webb’s Depth of Knowledge explanation of DOK

Information on the 2014 GED® test
www.GEDtestingservice.com

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# Literacy Assessment Targets

## Content Parameters for Literacy
- 75% informational texts (including literary non-fiction and workplace texts); 25% literature
- vocabulary comprehension – understanding words that appear frequently in texts
- same reading and writing standards in GED\textsuperscript{®} Social Studies test; same reading standards in GED\textsuperscript{®} Science test

<table>
<thead>
<tr>
<th>GED\textsuperscript{®} Reading Assessment Targets</th>
<th>Contemporary/ McGraw-Hill Resources</th>
</tr>
</thead>
</table>
| **R.2** Determine central ideas or themes of texts and analyze their development. Summarize key supporting details and ideas. | **Reading Basics Advanced SE**  
- Lesson 1.1: Recognize and Recall Details  
- Lesson 1.2: Understand Stated and Implied Concepts  
- Lesson 1.3: Draw Conclusions  
- Lesson 1.4: Summarize and Paraphrase  
- Lesson 1.7: Find the Main Idea  
- Lesson 2.4: Use Supporting Evidence  
- Lesson 3.1: Make Generalizations  
- Lesson 3.4: Predict Outcomes  
  **Reading Basics Advanced Reader**  
  - All lessons have Recognize and Recall Details, Find the Main Idea, Summarize and Paraphrase, and Make Inferences questions  
  **Achieving TABE Success in Reading Level A**: pp. 59-66, 75-82, 139-146, 155-162, 171-186, 193-200, 225-232  
  **Achieving TABE Success in Language Level A**: pp. 111-122  
  **Top 50 Reading Skills for GED Success**: pp. 18-19, 32-33, 82-89, 98-101  
  **Workplace Skills: Reading for Information**: pp. 2-9, 52-59, 152-159  
  **Instruction Targeted for TABE Success, Level A, Reading**  
  - Lesson 3.2: Stated Concepts  
  - Lesson 4.1: Main Idea  
  - Lesson 4.2: Summarizing and Paraphrasing  
  - Lesson 4.5: Drawing Conclusions  
  - Lesson 4.6: Supporting Evidence  
  - Lesson 5.2: Predicting Outcomes  
  - Lesson 5.3: Making Generalizations |
| **R.3** Analyze how individuals, events, and ideas develop and interact over the course of a text. | **Reading Basics Advanced SE**  
- Lesson 1.5: Identify Cause and Effect  
- Lesson 2.1: Identify Sequence  
- Lesson 2.5: Recognize Character Traits  
- Lesson 3.3: Compare and Contrast  
  **Reading Basics Advanced Reader**  
  - All lessons have Make Inferences questions  
  **Achieving TABE Success in Reading Level A Workbook**: pp. 67-74, 131-138, 147-154, 163-170  
  **Achieving TABE Success in Language Level A**: pp. 123-126  
  **Top 50 Reading Skills for GED Success**: pp. 66-73, 128-129  
  **Workplace Skills: Reading for Information**: pp. 26-33, 134-141  
  **Instruction Targeted for TABE Success, Level A, Reading**  
  - Lesson 3.1: Sequence  
  - Lesson 4.3: Cause and Effect  
  - Lesson 4.4: Comparing and Contrasting  
  - Lesson 4.7: Character Aspects |

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<table>
<thead>
<tr>
<th>GED® Reading Assessment Targets</th>
<th>Contemporary/ McGraw-Hill Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Note:</strong> The Reading Assessment Targets are based on the CCSS Anchor Standards</td>
<td><strong>Reading Basics Advanced SE</strong></td>
</tr>
<tr>
<td><strong>R.4.2; L.4.2</strong> 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.</td>
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<tr>
<td><strong>Reading Basics, Instructor's Guide</strong></td>
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<td></td>
<td>Language Development Activities on pp. 274-276</td>
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<tr>
<td></td>
<td>Achieving TABE Success in Reading Level A Workbook: 37-44, 191-192</td>
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<tr>
<td></td>
<td>Words to Learn By Advancing Level</td>
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<tr>
<td></td>
<td>All lessons have Academic Vocabulary questions</td>
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<td></td>
<td>Multiple-Meaning Words on pp. 53, 85, 101</td>
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<tr>
<td><strong>R.5</strong> Analyze the structure of texts, including how specific sentences or paragraphs relate to each other and the whole.</td>
<td><strong>Reading Basics Advanced SE</strong></td>
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<tr>
<td></td>
<td>Lesson 1.2: Understand Stated and Implied Concepts</td>
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<td></td>
<td>Lesson 1.5: Identify Cause and Effect</td>
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<tr>
<td></td>
<td>Achieving TABE Success in Reading Level A Workbook: pp. 129–130, 163-170</td>
</tr>
<tr>
<td></td>
<td>Achieving TABE Success in Language Level A: pp. 127-134</td>
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<tr>
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<td>Top 50 Reading Skills for GED Success: pp. 44-45, 76-77, 126-127</td>
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<td></td>
<td>Workplace Skills: Reading for Information: pp. 34-41, 76-83</td>
</tr>
<tr>
<td></td>
<td>Instruction Targeted for TABE Success, Level A, Reading</td>
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<tr>
<td></td>
<td>Lesson 4.3: Cause and Effect</td>
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<tr>
<td><strong>R.6</strong> 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.</td>
<td><strong>Reading Basics Advanced SE</strong></td>
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<td>Lesson 1.6: Understand Author's Purpose</td>
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<td></td>
<td>Lesson 2.6: Identify Style Techniques</td>
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<td></td>
<td>Lesson 3.2: Recognize Author's Effect and Intention</td>
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<td></td>
<td>Lesson 3.6: Identify Genre</td>
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<td></td>
<td>Reading Basics Advanced Reader</td>
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<tr>
<td></td>
<td>All lessons have Recognize Author's Effect and Intentions questions</td>
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<td></td>
<td>Achieving TABE Success in Reading Level A Workbook: pp. 19, 57-58, 209-224, 233-244</td>
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<td>Top 50 Reading Skills for GED Success: pp. 36-37, 52-59</td>
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<td></td>
<td>Workplace Skills: Reading for Information: pp. 184-191, 200-207</td>
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<td></td>
<td>Instruction Targeted for TABE Success, Level A, Reading</td>
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<td>Lesson 5.4: Showing Effect and Intention</td>
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<td></td>
<td>Lesson 5.5: Author's Purpose</td>
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<tr>
<td></td>
<td>Lesson 5.6: Genre and Style Techniques</td>
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<tr>
<td><strong>R.8</strong> 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.</td>
<td><strong>Reading Basics Advanced SE</strong></td>
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<td>Lesson 2.4: Use Supporting Evidence</td>
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<td>Lesson 3.5: Identify Fact and Opinion</td>
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<td></td>
<td>Reading Basics Advanced Reader</td>
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<tr>
<td></td>
<td>All lessons have Evaluate and Create questions</td>
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<td>Achieving TABE Success in Reading Level A Workbook: pp. 179-186, 201-208</td>
</tr>
<tr>
<td></td>
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</tr>
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</tr>
<tr>
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<td>Instruction Targeted for TABE Success, Level A, Reading</td>
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<td></td>
<td>Lesson 4.6: Supporting Evidence</td>
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<td></td>
<td>Lesson 5.1: Fact and Opinion</td>
</tr>
<tr>
<td><strong>R.7 and R.9</strong> Analyze how two or more texts address similar themes or topics</td>
<td><strong>Reading Basics Advanced SE:</strong> pp. 86, 122, 153</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th><strong>GED® Writing Assessment Targets</strong></th>
<th><strong>Contemporary/ McGraw-Hill Resources</strong></th>
</tr>
</thead>
</table>
| **W.1** Determine the details of what is explicitly stated and make logical inferences or valid claims that square with textual evidence.  
Also: **R.1** | Reading Basics Advanced SE: pp. 35, 51, 136, 139, 160, 163  
Achieving TABE Success in Reading Level A Workbook: pp. 199, 227, 231 |
| **W.2** Produce an extended analytic response in which the writer introduces the idea(s) or claim(s) clearly; create an organization that logically sequences information; develop the idea(s) or claim(s) thoroughly with well-chosen examples, facts, or details from the text; and maintain a coherent focus.  
Also: **W.1, W.4** | Reading Basics Advanced SE  
• All lessons have extended response Write for Work exercises |
| **W.3** Write clearly and demonstrate sufficient command of standard English conventions.  
Also: **W.5, L.1, L.2, L.3** | Achieving TABE Success in Language Level A: pp.197 |

**GED® Language Assessment Targets**  
Note: The Reading Assessment Targets are based on the CCSS Anchor Standards

| **L.1** Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. | Achieving TABE Success in Language Level A: pp. 19-70, 83-106  
Instruction Targeted for TABE Success, Level A, Language  
• Unit 1: Usage  
• Unit 2: Sentence Formation |
| **L.2** Demonstrate command of the conventions of standard English capitalization and punctuation when writing | Achieving TABE Success in Language Level A: pp. 75-82, 139-150, 155-178, 183-194  
Instruction Targeted for TABE Success, Level A, Language  
• Unit 4: Capitalization  
• Unit 5: Punctuation  
• Unit 6: Writing Conventions |
Mathematics Assessment Targets

Content Parameters for Mathematics

- Quantitative problem solving including procedural skill (45% of test)
- Algebraic problem solving including procedural skill (55% of test)
- Modeling (application of mathematics to real-life work situations and to academic problems in fields other than mathematics)
- 80% at DOK level 2 or higher
- Virtual (online) calculators available during a portion of the test

<table>
<thead>
<tr>
<th>GED® Quantitative Problem Solving Assessment Targets</th>
<th>Contemporary/ McGraw-Hill Resources</th>
</tr>
</thead>
</table>
| **Q.1** Order and compute with rational numbers; simplify numerical expressions  
4.NF.2, 6.NS.4, 6.NS.6c, 6.NS.7, 6.NS.7c, 7.NS.1c, 7.NS.1d, 7.NS.2b, 7.NS.2c, 8.EE.1, 8.EE.2, N-RN.2 | EMPower, Everyday Number Sense: pp. 10-14, 32-36, 39-40, 45-46, 52-61, 64, 69-73, 75-76, 84-87, 97-98, 108, 111, 114, 120, 122, 150-158, 161  
EMPower, Seeking Patterns, Building Rules: pp. 8-14, 28-29, 144-145  
EMPower, Split It Up: pp. 62-63, 70, 78, 90  
Number Power, Algebra: pp. 11-21, 26-35, 152-153, 155, 194-195  
Number Power, Problem-Solving and Test-Taking Strategies: pp. 29, 120-123  
Number Power, Transitions Math: pp. 2-3, 5-12, 35, 52, 54-55  
Achieving TABE Success in Mathematics Level A: pp. 8-39; 42-47; 53-54; 56-68; 70-75; 80-81; 86-99; 108; 111-129; 139; 148-149; 153-159  
Top 50 Math Skills for GED Success: pp. 16-17, 20-21, 24-25, 40-41, 134-137, 141-142, 145  
Workplace Skills, Applied Mathematics: throughout  
Instruction Targeted for TABE Success, Level A, Mathematics  
• Lesson 1.1: Equivalent Forms  
• Lesson 1.2: Factors and Multiples  
• Lesson 1.5: Exponents and Scientific Notation  
• Unit 2: Decimals  
• Unit 3: Fractions  
• Unit 4: Integers  
• Unit 7: Order of Operations |

| Q.2 Quantitative reasoning to solve problems involving rational numbers  
7.NS.3, 7.EE.3, 8.EE.4, N-Q.1 | EMPower, Everyday Number Sense: pp. 18-20, 28-29, 88-90, 126-131, 167-169  
EMPower, Operation Sense: pp. 66-67  
EMPower, Seeking Patterns, Building Rules: pp. 92, 105-106  
Number Power, Algebra: pp. 22-23, 38-39  
Number Power, Graphs, Charts, Schedules and Maps: pp. 154-159  
Number Power, Pre-Algebra: pp. 39, 41  
Number Power, Review: pp. 36-37, 46-49, 94-95, 104-105, 122-123, 130-131  
Number Power, Transitions Math: pp. 8  
Achieving TABE Success in Mathematics Level A: pp. 21, 23, 25, 27, 29, 30-31, 45-47, 64-65, 66-67, 73, 75; 78; 81; 89; 91-93; 97; 124-125; 158-159  
Top 50 Math Skills for GED Success: pp. 18-19, 22-23, 26-29  
Workplace Skills, Applied Mathematics: throughout  
Instruction Targeted for TABE Success, Level A, Mathematics  
• Lesson 1.5: Exponents and Scientific Notation  
• Unit 6: Computation in Context  
• Unit 15: Problem Solving and Reasoning |

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<table>
<thead>
<tr>
<th>GED® Quantitative Problem Solving Assessment Targets</th>
<th>Contemporary/ McGraw-Hill Resources</th>
</tr>
</thead>
</table>
## GED® Quantitative Problem Solving Assessment Targets

### Related CCSS

<table>
<thead>
<tr>
<th>#</th>
<th>Target</th>
<th>CCSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q.4</td>
<td>Compute perimeter, circumference, area of plane figures</td>
<td>6.EE.2c, 7.G.4, 7.G.6, 8.G.7, 8.G.9</td>
</tr>
<tr>
<td>Q.5</td>
<td>Compute volume and surface area of prisms and cylinders</td>
<td>6.EE.2c, 7.G.6, 8.G.9</td>
</tr>
<tr>
<td>Q.6</td>
<td>Compute volume and surface area of cones, pyramids, spheres, and other shapes.</td>
<td>6.EE.2c, 7.G.6, 8.G.9</td>
</tr>
</tbody>
</table>

### Contemporary/ McGraw-Hill Resources

**Q.4** Compute perimeter, circumference, area of plane figures

- EMPower, Operation Sense: pp. 97, 113, 123, 125-126
- EMPower, Over, Around, and Within: pp. 62, 65, 72-73, 76
- EMPower, Seeking Patterns, Building Rules: pp. 97
- Number Power, Fractions, Decimals, and Percents: pp. 136-139, 142-145
- Number Power, Algebra: pp. 49-51, 188-189
- Number Power, Geometry: pp. 74-76, 92-124, 148, 149
- Number Power, Word Problems: pp. 167, 176
- Number Power, Problem-Solving and Test-Taking Strategies: pp. 154-161, 164-168
- Number Power, Measurement: pp. 40-41, 128-129
- Number Power, Pre-Algebra: pp. 114-119, 190-191
- Number Power, Review: pp. 224-231
- Number Power, Transitions Math: pp. 27, 45, 90-91, 128-130, 197
- Achieving TABE Success in Mathematics Level A: pp. 139, 153-155
- Top 50 Math Skills for GED Success: pp. 60-63

*Workplace Skills, Applied Mathematics:*
- Lesson 13: Calculate Perimeter and Area
- Lesson 22: Rearrange a Formula
- Lesson 26: Apply Formula Rearrangements and Unit Conversions to Calculate Area
- Lesson 30: Calculate Areas and Volumes of Spheres, Cylinders, or Cones
  - pp. 61, 67, 99, 143-144

*Instruction Targeted for TABE Success, Level A, Mathematics:*
- Lesson 9.2: Perimeter and Circumference
- Lesson 9.3: Area
- Lesson 10.3: Plane and Solid Figures
- Lesson 10.4: Triangles

**Q.5** Compute volume and surface area of prisms and cylinders

- EMPower, Keeping Things in Proportion: pp. 82-83
- EMPower, Operation Sense: pp. 124
- EMPower, Over, Around, and Within: pp. 129, 134, 137-140
- Number Power, Fractions, Decimals, and Percents: pp. 140-141
- Number Power, Algebra: pp. 50-51, 145
- Number Power, Geometry: pp. 144-145, 157
- Number Power, Problem-Solving and Test-Taking Strategies: pp. 161, 164
- Number Power, Measurement: pp. 94-101, 140-141
- Number Power, Pre-Algebra: pp. 120-121, 182-184
- Number Power, Review: pp. 232-235
- Achieving TABE Success in Mathematics Level A: pp. 156-157
- Top 50 Math Skills for GED Success: pp. 64-65, 95

*Workplace Skills, Applied Mathematics:*
- Lesson 21: Find Volume of Rectangular Solids
- Lesson 30: Calculate Areas and Volumes of Spheres, Cylinders, or Cones
  - pp. 93

*Instruction Targeted for TABE Success, Level A, Mathematics:*
- Lesson 9.4: Volume

**Q.6** Compute volume and surface area of cones, pyramids, spheres, and other shapes.

- Number Power, Measurement: pp. 139, 141
- Number Power, Review: pp. 233
- Top 50 Math Skills for GED Success: pp. 64-65, 95

*Workplace Skills, Applied Mathematics:*
- Lesson 30: Calculate Areas and Volumes of Spheres, Cylinders, or Cones
  - pp. 150
<table>
<thead>
<tr>
<th>GED® Quantitative Problem Solving Assessment Targets</th>
<th>Contemporary/ McGraw-Hill Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Q.8 Measure the center of a statistical data set</strong></td>
<td><strong>6.SP.3, S-MD.2</strong></td>
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<tr>
<td></td>
<td>EMPower, Many Points Make a Point: pp. 90-96, 112-117</td>
</tr>
<tr>
<td></td>
<td>Number Power, Analyzing Data: pp. 52-54, 56</td>
</tr>
<tr>
<td></td>
<td>Number Power, Pre-Algebra: pp. 42, 72-73</td>
</tr>
<tr>
<td></td>
<td>Number Power, Review: pp. 54-55</td>
</tr>
<tr>
<td></td>
<td>Number Power, Transitions Math: pp. 4</td>
</tr>
<tr>
<td></td>
<td>Achieving TAME Success in Mathematics Level A: pp. 96-97, 108</td>
</tr>
<tr>
<td></td>
<td>Top 50 Math Skills for GED Success: pp. 70-73</td>
</tr>
<tr>
<td></td>
<td>Workplace Skills, Applied Mathematics:</td>
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<tr>
<td></td>
<td>• Lesson 8: Find Averages, Ratios, Proportions, and Rates</td>
</tr>
<tr>
<td></td>
<td>• Lesson 32: Apply Basic Statistical and Probability Concepts</td>
</tr>
<tr>
<td></td>
<td>• pp. 58, 60, 63, 122-124</td>
</tr>
<tr>
<td></td>
<td>Instruction Targeted for TAME Success, Level A, Mathematics</td>
</tr>
<tr>
<td></td>
<td>• Lesson 12.2: Statistics and Sampling</td>
</tr>
</tbody>
</table>

<p>| Q.9 Determine sample space and use probability models to interpret data. | <strong>7.SP.7, 7.SP.8, S-CP.1, S-CP.2, S-CP.9</strong> |
| | EMPower, Keeping Things in Proportion: pp. 24-28 |
| | EMPower, Many Points Make a Point: pp. 23-31 |
| | Number Power, Analyzing Data: pp. 86-99, 106-111 |
| | Number Power, Pre-Algebra: pp. 88-103 |
| | Number Power, Review: pp. 172-179 |
| | Achieving TAME Success in Mathematics Level A: pp. 94-95, 98, 108 |
| | Top 50 Math Skills for GED Success: pp. 90-93 |
| | Workplace Skills, Applied Mathematics: |
| | • Lesson 32: Apply Basic Statistical and Probability Concepts |
| | Instruction Targeted for TAME Success, Level A, Mathematics |
| | • Unit 12: Statistics and Probability |</p>
<table>
<thead>
<tr>
<th>GED® Algebraic Problem Solving Assessment Targets</th>
<th>Contemporary/ McGraw-Hill Resources</th>
</tr>
</thead>
</table>
| **A.1 Simplify, evaluate and write linear expressions.**  
6.EE.2c, 6.EE.6, 7.EE.1 | EMPower, Seeking Patterns, Building Rules: pp. 10-15, 43-45  
Number Power, Algebra: pp. 44-47, 52-53  
Number Power, Pre-Algebra: pp. 140-143, 146-147  
Number Power, Transitions Math: pp. 15-17, 25-26  
Achieving TABE Success in Mathematics Level A: pp. 114-116, 120, 122  
Top 50 Math Skills for GED Success: pp. 96, 101  
Workplace Skills, Applied Mathematics: pp. 66-69  
*Instruction Targeted for TABE Success, Level A, Mathematics*  
  • Lesson 13.4: Simplifying Expressions  
  • Lesson 13.5: Algebraic Expressions-Advanced  
  • Lesson 14.2: Variables, Expressions, and Equations |
| **A.2 Simplify, evaluate and write polynomial expressions.**  
6.EE.2a, 6.EE.2c, 6.EE.3, A-APR.1, A.SSE.2, A.SSE.3a, A.SSE.4 | EMPower, Seeking Patterns, Building Rules: pp. 44-45  
Number Power, Algebra: pp. 137-146, 148-149, 156-157  
Number Power, Pre-Algebra: pp. 146-147  
Number Power, Transitions Math: pp. 18-26  
Achieving TABE Success in Mathematics Level A: pp. 116, 120, 122, 123, 128  
Workplace Skills, Applied Mathematics:  
  • Lesson 13.4: Simplifying Expressions  
  • Lesson 13.5: Algebraic Expressions-Advanced  
  • Lesson 14.2: Variables, Expressions, Equations |
| **A.3 Simplify, evaluate and write rational expressions.**  
6.EE.2a, 6.EE.2c, 6.EE.3, 6.EE.6 | Number Power, Algebra: pp. 48, 158-159  
Workplace Skills, Applied Mathematics:  
  • Lesson 22: Rearrange a Formula  
*Instruction Targeted for TABE Success, Level A, Mathematics*  
  • Lesson 14.2: Variables, Expressions, Equations |
<table>
<thead>
<tr>
<th><strong>GED® Algebraic Problem</strong></th>
<th><strong>Contemporary/ McGraw-Hill Resources</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Solving Assessment Targets</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related CCSS</strong></td>
<td></td>
</tr>
</tbody>
</table>
| **A.5** Write and solve linear inequalities. | *Number Power, Algebra*: pp. 125-130  
*Number Power, Transitions Math*: pp. 32-33, 48-51  
*Achieving TABE Success in Mathematics Level A*: pp. 117, 126-127  
*Instruction Targeted for TABE Success, Level A, Mathematics*:  
  - Lesson 13.3: Solving Equations and Inequalities-Advanced  
  - Lesson 14.3: Inequalities |
| 6.EE.2a, 6.EE.8, 7.EE.4, 7.EE.4b, A-REI.3, A-CED.1, A-CED.2 |  |
| **A.6** Write and solve quadratic equations. | *Number Power, Algebra*: pp. 102-103, 105  
*Number Power, Transitions Math*: pp. 139-140, 149, 163-175 |
| A-REI.4, A-CED.1 |  |
| **A.7** Graph an equation in two variables in the coordinate plane; solve problems requiring knowledge of slope. | *Number Power, Algebra*: pp. 110, 112-117  
*Number Power, Pre-Algebra*: pp. 130-131  
*Number Power, Review*: pp. 202-207  
*Number Power, Transitions Math*: pp. 65-74  
*Achieving TABE Success in Mathematics Level A*: pp. 140  
*Instruction Targeted for TABE Success, Level A, Mathematics*:  
  - Lesson 14.4: Linear Equations |
| 6.NS.6c, 8.EE.5, 8.F.4, A-CED.2, F-IF.7a |  |
| **A.8** Determine the equation of a line. | *Number Power, Transitions Math*: pp. 75-82  
*Top 50 Math Skills for GED Success*: pp. 106-109 |
| A-CED.2 |  |
| **A.9** Apply the slope criteria for parallel and perpendicular lines. | *Number Power, Review*: pp. 206  
*Number Power, Transitions Math*: pp. 71-72, 83-86  
*Top 50 Math Skills for GED Success*: pp. 68 |
| G-GPE.5 |  |
| **A.10** Evaluate a function for a given input. | *Number Power, Transitions Math*: pp. 204-209  
*Achieving TABE Success in Mathematics Level A*: pp. 112  
*Workplace Skills, Applied Mathematics*: pp. 214  
*Instruction Targeted for TABE Success, Level A, Mathematics*:  
  - Lesson 14.1: Patterns |
| 8.F.1, F-IF.1, F-IF.2 |  |
| **A.11** Compare functions in different presentations. | *EMPower, Keeping Things in Proportion*: pp. 61-65, 92-94  
*EMPower, Seeking Patterns, Building Rules*: pp. 114-116  
*Number Power, Algebra*: pp. 116-121  
*Number Power, Transitions Math*: pp. 206  
*Top 50 Math Skills for GED Success*: pp. 88-89, 112-113  
*Workplace Skills, Applied Mathematics*:  
  - Lesson 31: Solve Problems with Nonlinear Functions and/or One or More Unknowns |
| 8.EE.5, 8.F.2, F-IF.9 |  |
| **A.12** Identify features of a function from graphs or tables. | *EMPower, Seeking Patterns, Building Rules*: pp. 8-14, 18-20, 37-41, 114-118  
*Number Power, Algebra*: pp. 111-115  
*Number Power, Transitions Math*: pp. 206-207  
*Achieving TABE Success in Mathematics Level A*: pp. 104  
*Top 50 Math Skills for GED Success*: pp. 66-69, 104-105  
*Instruction Targeted for TABE Success, Level A, Mathematics*:  
  - Lesson 14.4: Linear Equations  
  - Workplace Skills, Applied Mathematics*:  
  - p. 214 |
| 8.F.3, 8.F.5, F-IF.5 |  |
**Science Assessment Targets**

**Content Parameters for Science**
- 3 content domains: life science (40%), physical science (40%), Earth and space science (20%)
- 80% written at DOK level 2 or higher
- Item scenarios (single stimulus serves to inform 2 or 3 items) in textual, graphic or combination make up 50% of test
- Content will pertain to 2 focusing themes: human health and living systems, energy and related systems.

<table>
<thead>
<tr>
<th><strong>GED® Life Science Assessment Targets</strong></th>
<th><strong>Contemporary / McGraw-Hill Resources</strong></th>
</tr>
</thead>
</table>
| **La** Human Body and Health: body systems, homeostasis, sources of nutrients, transmission of disease and pathogens | Top 50 Science Skills for GED Success: pp. 23, 41, 62-65, 74-75  
Biology: Exploring the Science of Life  
• Unit 7: Human Body |
| **Lb** Relationship Between Life Functions and Energy Intake: energy for life functions | Top 50 Science Skills for GED Success: pp. 58, 96, 142, 146  
| **Lc** Energy Flows in Ecologic Networks (Ecosystems): flow of matter in ecosystems, carrying capacity, symbiosis and predator/prey relationships, disruption of ecosystems and extinction | Top 50 Science Skills for GED Success: pp. 24-25, 27, 29, 54-55, 58-61, 68-69, 96, 110, 149  
Biology: Exploring the Science of Life  
• Chapter 16: Living Things and Their Environment  
• Chapter 18: Interactions Among Living Things |
| **Ld** Organization of Life (Structure and Function of Life): essential functions of life, cell theory, mitosis, meiosis | Top 50 Science Skills for GED Success: pp. 22, 42-43, 48, 144-148, 151  
Biology: Exploring the Science of Life  
• Chapter 3: Cell Structure, Function, and Processes  
• Pp. 22-24, 29-31, 67-69, 170-171 |
| **Le** Molecular Basis for Heredity: central dogma of molecular biology, the mechanism of inheritance and chromosomes, genotypes, phenotypes and the probability of traits in close relatives, new alleles, assortment of alleles | Top 50 Science Skills for GED Success: pp. 44-45, 150-151, 153  
Biology: Exploring the Science of Life  
• Chapter 4: Heredity and Genes |
| **Lf** Evolution: common ancestry and cladograms, selection, adaptation, selection pressure, and speciation | Top 50 Science Skills for GED Success: pp. 40, 50-53, 152-153  
Biology: Exploring the Science of Life  
• Chapter 5: Change Over Time |
<table>
<thead>
<tr>
<th><strong>GED® Physical Science Assessment Targets</strong></th>
<th><strong>Contemporary / McGraw-Hill Resources</strong></th>
</tr>
</thead>
</table>
| **P.a** Conservation, Transformation, and Flow of Energy: heat/temperature/work, endothermic and exothermic reactions, types of energy, sources of energy, types of waves | *Top 50 Science Skills for GED Success:* pp. 31, 84-85, 96-99  
*Physical Science: Exploring Matter and Energy*  
- Unit 5: Energy: Its Forms and Changes  
- Unit 6: Sound and Light |
| **P.b** Work, Motion, and Forces: speed, velocity, acceleration, momentum, and collisions; force, Newton’s Laws, gravity, acceleration due to gravity; work, simple machines, mechanical advantages, and power | *Top 50 Science Skills for GED Success:* pp. 37, 41, 94-95, 159  
*Physical Science: Exploring Matter and Energy*  
- Unit 4: Motion and Forces |
| **P.c** Chemical Properties and Reactions Related to Living Systems: structure of matter, physical and chemical properties, balancing chemical equations and different types of chemical equations, parts in solutions, general rules of solubility | *Top 50 Science Skills for GED Success:* pp. 78-83, 86-87, 90-93, 140-143  
*Physical Science: Exploring Matter and Energy*  
- Chapter 2: Types of Matter  
- Chapter 3: Properties of Matter  
- Chapter 4: States of Matter  
- Chapter 8: Chemical Reactions  
- Chapter 9: Solutions |

<table>
<thead>
<tr>
<th><strong>GED® Earth and Space Science Assessment Targets</strong></th>
<th><strong>Contemporary / McGraw-Hill Resources</strong></th>
</tr>
</thead>
</table>
| **ES.a** Interactions between Earth’s Systems and Living Things: interactions of matter between living and non-living things; Natural Hazards, their effects and mitigation thereof; extraction and use of natural resources, renewable vs. non-renewable resources and sustainability. | *Top 50 Science Skills for GED Success:* pp. 24, 56-57, 66-67, 81  
*Earth and Space Science: Exploring the Universe*  
- Chapter 3: Matter and Atoms  
- Chapter 7: Earthquakes  
- Chapter 8: Volcanoes  
- Unit 8: Earth’s Resources and Environment |
| **ES.b** Earth and its System Components and Interactions: characteristics of the atmosphere, characteristics of the oceans, interactions between Earth’s systems, interior structure of the Earth | *Top 50 Science Skills for GED Success:* pp. 31, 36, 108-113, 154-156  
*Earth and Space Science: Exploring the Universe*  
- Unit 4: Earth’s Changing Surface  
- Unit 6: Earth’s Atmosphere and Weather  
- Unit 7: Earth’s Waters |
| **ES.c** Structures and Organization of the Cosmos: structures in the universe, the age and development of the universe, and the age and development of Stars; Sun, planets, and moons, the motion of the Earth’s moon and the interactions within the Earth’s solar system; the age of the Earth | *Top 50 Science Skills for GED Success:* pp. 106-107, 114-120, 157-159  
*Earth and Space Science: Exploring the Universe*  
- Unit 5: Earth’s History  
- Unit 9: Exploring Space |
### Social Studies Assessment Targets

**Content Parameters for Social Studies**
- focus on fundamentals of social studies reasoning, data representation and inference skills, problem solving in academic and workplace contexts
- 4 major content domains: civics and government (50%), United States history (20%), Economics (15%), geography and the world (15%)
- an item aligns to one DOK level with approximately 80% items written to DOK level of 2 or higher (8 at level 1, 18 at level 2)
- approximately 50% of the test items based on scenarios in which a single stimulus (textual, graphic, or both) serves to inform two or three items; approximately 50% discrete stand-alone items
- 2 focusing themes: development of modern liberties and democracy, dynamic responses in societal systems

<table>
<thead>
<tr>
<th>GED® Civics and Government Assessment Targets</th>
<th>Contemporary / McGraw-Hill Resources</th>
</tr>
</thead>
</table>
| **CG.a** Types of modern and historical governments (that have contributed to development of American constitutional democracy) | **Top 50 Social Studies Skills for GED Success:** pp.28, 49  
American History 1: Before 1865: pp. 139-140  
American Civics and Government  
- Chapter 23: Modern Political Systems  
- pp. 9-12, 16–18 |
| **CG.b** Principles that have contributed to development of American constitutional democracy | **Top 50 Social Studies Skills for GED Success:** pp. 23, 51,  
American Civics and Government  
- Chapter 2: Beginnings of U. S. Government  
- Chapter 3: The United States Constitution  
- pp. 4-8  
- pp. 84-85, 94 |
| **CG.c** Structure and design of United States government | **Top 50 Social Studies Skills for GED Success:** pp.33  
American Civics and Government  
- Unit 2: The Legislative Branch  
- Unit 3: The Executive Branch  
- Unit 4: The Judicial Branch  
- pp. 86-98 |
| **CG.d** Individual rights and civic responsibilities | **Top 50 Social Studies Skills for GED Success:** pp.23, 27, 98, 102  
American History 1: Before 1865: pp. 162-164  
American History 2: After 1865: pp. 11, 165-167, 264  
American Civics and Government  
- Unit 5: Civil Liberties and Civil Rights  
- pp. 13, 36, 99, 167, 214, 230, 339, 360, 376 |
| **CG.e** Political parties, campaigns, and elections in American politics | **Top 50 Social Studies Skills for GED Success:** pp. 47, 81-82, 89  
American Civics and Government  
- Unit 6: Taking Part in Government  
- pp. 81, 149, 182 |
| **CG.f** Contemporary public policy | **Top 50 Social Studies Skills for GED Success:** pp.95, 98  
American Civics and Government  
- Unit 7: Public Policy |

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<thead>
<tr>
<th>GED® Civics and Government Assessment Targets</th>
<th>Contemporary / McGraw-Hill Resources</th>
</tr>
</thead>
</table>
| USH.a Key historical documents that have shaped American constitutional government | American History 1: Before 1865: pp. 59, 140, 147-150, 167, 218, 327-344
American History 2: After 1865: pp. 101, 193, 194, 196, 231, 312, 343-360 |
| USH.b Revolutionary and Early Republic Periods | Top 50 Social Studies Skills for GED Success: pp. 25, 40, 51, 57, 119
American History 1: Before 1865
- Unit 4: The American Revolution
- Unit 5: The New Nation
- Unit 6: The Young Republic
- Unit 7: The Expanding Nation

American History 2: After 1865
- Chapter 1: Reconstruction |
| USH.c Civil War and Reconstruction | Top 50 Social Studies Skills for GED Success: pp. 97, 119
American History 1: Before 1865
- Unit 8: Diverging Ways of Life
- Unit 9: A Society in Change
- Unit 10: A Nation in Crisis
- pp. 76-80, 85
American History 2: After 1865
- Chapter 1: Reconstruction |
| USH.d Civil Rights | Top 50 Social Studies Skills for GED Success: pp. 48, 85, 88
American History 1: Before 1865: pp. 253-255
American History 2: After 1865
- Chapter 6: The Progressive Era
- Chapter 16: The Sixties: Political and Social Change
American Civics and Government
- Chapter 14: Civil Rights |
| USH.e European settlement and population of the Americas | Top 50 Social Studies Skills for GED Success: pp. 29, 59-60
American History 1: Before 1865
- Chapter 2: European Explorers
- Unit 2: European Colonization
- Unit 3: Colonial Societies |
| USH.f World Wars I and II | Top 50 Social Studies Skills for GED Success: pp. 56, 73, 77, 87, 89, 107, 119
American History 2: After 1865
- Chapter 5: The U. S. as a World Power
- Unit 4: War, Wealth, and Welfare
- Unit 5: The New Deal and World War II |
| USH.g The Cold War | Top 50 Social Studies Skills for GED Success: pp. 24, 35, 43, 75, 95-96
American History 2: After 1865
- Unit 6: The Cold War
- Unit 7: The United States at Mid-Century
- Unit 8: A New Struggle
- Unit 9: Years of Conflict
- Chapter 19: The Reagan and First Bush Years |
| USH.h American foreign policy since 9/11 | Top 50 Social Studies Skills for GED Success: pp. 27, 57, 78,
American History 2: After 1865
- Chapter 20: Entering the 21st Century |

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<thead>
<tr>
<th>GED® Economics Assessment Targets</th>
<th>Contemporary / McGraw-Hill Resources</th>
</tr>
</thead>
</table>
| **E.a** Key economic events that have shaped American government and policies | *Top 50 Social Studies Skills for GED Success*: pp. 41, 82, *American History 1: Before 1865*: pp. 173-177, 217-218  
*American History 2: After 1865*  
- Chapter 8: Boom or Bust  
- Chapter 9: Franklin D. Roosevelt and the New Deal  
- Chapter 15: Johnson and the Great Society  
*Economics*: pp. 173, 177, 279, 285, 301-303, 350 |
| **E.b** Relationship between political and economic freedoms | *Top 50 Social Studies Skills for GED Success*: pp. 46-47,  
*American History 1: Before 1865*: pp. 218  
*American History 2: After 1865*: pp. 73–75, 143-145  
*Economics*: pp. 25, 29, 170-172, 174, 183, 287-292 |
| **E.c** Fundamental Economic Concepts | *Top 50 Social Studies Skills for GED Success*: pp. 52, 79, 92, 111, 117  
*Economics*  
- Chapter 2: Economic Systems  
- Chapter 3: Economic Factors  
- Chapter 8: Businesses  
- Chapter 10: Labor Markets  
- pp. 286 |
| **E.d** Microeconomics and Macroeconomics | *Top 50 Social Studies Skills for GED Success*: pp. 41, 49, 80, 82, 93-94, 103, 105-106, 116  
*American History 2: After 1865*: pp. 190, 310-311, 331-332  
*Economics*  
- Unit 2: Elements of a Market Economy  
- Chapter 9: Financial Institutions  
- Chapter 12: Measuring Economic Performance  
- Chapter 13: Government and the Economy  
- Chapter 15: The Federal Reserve  
- Chapter 16: Economic Growth  
- pp. 274-278, 280-285 |
| **E.e** Consumer Economics | *American History 2: After 1865*: pp. 125, 326  
*Economics*  
- Chapter 14: Money and Banking  
- pp. 137-145, 358 |
| **E.f** Economic causes and impacts of wars | *Top 50 Social Studies Skills for GED Success*: pp. 86, 91, 99  
*American History 2: After 1865*: pp. 113-114, 116, 162-165, 201  
*Economics*: pp. 327-328 |
| **E.g** Economic drivers of exploration and colonization | *Top 50 Social Studies Skills for GED Success*: pp. 59, 87  
*American History 1: Before 1865*  
- Chapter 2, European Explorers  
  - pp. 189-190, 206-208, 211-213, 279-281  
*American History 2: After 1865*: pp. 21-24  
*Economics*  
- Chapter 18: International Trade |
| **E.h** Scientific and Industrial Revolutions | *Top 50 Social Studies Skills for GED Success*: pp. 33  
*American History 2: After 1865*: pp. 43-46  
*Economics*: pp. 340, 343, 346, 355-357, 359 |
<table>
<thead>
<tr>
<th>GED® Geography Assessment Targets</th>
<th>Contemporary / McGraw-Hill Resources</th>
</tr>
</thead>
</table>
| **G.a Development of classical civilizations** | Top 50 Social Studies Skills for GED Success: pp. 23, 59, 64, 74  
American History 1: Before 1865: pp. 7-8 |
| **G.b Relationships between the environment and societal development** | Top 50 Social Studies Skills for GED Success: pp. 60, 64-65, 67-68, 105, 109-110, 115  
American History 1: Before 1865: pp. 78, 107, 109, 133, 141-142, 189, 205, 208, 212, 236  
American History 2: After 1865: pp. 41, 83, 135, 226 |
| **G.c Borders between peoples and nations** | Top 50 Social Studies Skills for GED Success: pp. 62-63, 67, 71, 108  
American History 1: Before 1865: pp. 12, 15-17, 56, 81, 88-89, 208, 221, 280, 296, 312  
American History 2: After 1865: pp. 30, 231 |
| **G.d Human migration** | Top 50 Social Studies Skills for GED Success: pp. 58, 60, 66, 77, 84, 95, 109  
American History 1: Before 1865: pp. 5, 73, 91, 212, 215  
American History 2: After 1865: pp. 56, 212-215 |
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<table>
<thead>
<tr>
<th>Resource</th>
<th>ISBN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Achieving TABE Success in Language, Level A</td>
<td>978-0-07-704458-9</td>
</tr>
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</tr>
<tr>
<td>EMPower, Many Points Make a Point</td>
<td>978-0-07-662087-6</td>
</tr>
<tr>
<td>EMPower, Operation Sense</td>
<td>978-0-07-662094-4</td>
</tr>
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</tr>
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</tr>
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</tr>
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<td>EMPower, Using Benchmarks</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Number Power, Analyzing Data</td>
<td>978-0-07-659233-3</td>
</tr>
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<td>978-0-07-659227-2</td>
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<td>Number Power, Geometry</td>
<td>978-0-07-659229-6</td>
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</tr>
<tr>
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</tr>
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</tr>
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<td>978-0-07-659232-6</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Resource</th>
<th>ISBN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number Power, Review</td>
<td>978-0-07-659236-4</td>
</tr>
<tr>
<td>Number Power, Transitions Math</td>
<td>978-0-07-661499-8</td>
</tr>
<tr>
<td>Number Power, Word Problems</td>
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</tr>
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<td>Reading Basics Advanced</td>
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</tr>
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