

# Grade 9-10 Literacy in the Content Areas Toolkit

Standards and Site Links	CPALMS Lesson Plans & CPALMS Related Resources
<b>Strand: LAFS.910.RH:</b> <b>Reading Standards for Literacy in History/Social Studies 9-10</b>	
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.1.1</a> Cite specific textual evidence to support analysis of primary and secondary sources, attending to such features as the date and origin of the information. Cluster: Key Ideas and Details Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	<p>Lesson Plan: <a href="#">Florida During the Spanish-American War of 1898: Structured Academic Debate on African-American Participation in the War</a></p> <p>Tutorial: <a href="#">Analyzing President Wilson’s War Message to Congress</a></p> <p>Video/Audio/Animations: <a href="#">Yorktown: Now or Never</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.1.2</a> Determine the central ideas or information of a primary or secondary source: provide an accurate summary of how key events or ideas develop over the course of the text. Cluster: Key Ideas and Details Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	<p>Lesson Plan: <a href="#">Florida in the Civil War: The Battle of Natural Bridge: Evaluating Primary Sources</a></p> <p>Teaching Idea: <a href="#">The 12 Proposed Amendments to the Constitution</a></p> <p>Tutorial: <a href="#">The Cost of Indifference: Determining the Central Idea</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.1.3</a> Analyze in detail a series of events described in a text; determine whether earlier events cause later ones or simply preceded them. Cluster: Key Ideas and Details Content Complexity: Level 3: Strategic Thinking &amp; complex Reasoning</li> </ul>	<p>Lesson Plan: <a href="#">After Reconstruction: Problems of African Americans in the South</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.2.4</a> Determine the meaning of words and phrases as they are used in a text, including vocabulary describing political, social, or economic aspects of history/social science. Cluster: Craft and Structure Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	<p>Lesson Plan: <a href="#">Analyzing French Revolution Documents</a></p> <p>Unit/Lesson Sequences: <a href="#">Close Reading Exemplar: The Gettysburg Address</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.2.5</a> Describe how a text uses structure to emphasize key points or advance an explanation or analysis. Cluster: Craft and Structure Content Complexity: Level 3: Strategic Thinking and Complex Reasoning</li> </ul>	<p>Unit /Lesson Sequences: <a href="#">The Causes and Consequences of World War 1: 1900-1920</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.2.6</a></li> </ul>	<p>Lesson Plan: <a href="#">Cultural Identity and Values: What is Culture?</a></p>

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<p>Compare the point of view of two or more authors for how they treat the same or similar topics, including which details they include and emphasize in their respective accounts.</p> <p>Cluster: Craft and Structure Content Complexity: Level 3: Strategic Thinking and Complex Reasoning</p>	<p>Tutorial: <a href="#">Analyzing Related Concepts in Historical U.S. Documents</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.3.7</a></li> </ul> <p>Integrate quantitative or technical analysis (e.g., charts, research data) with qualitative analysis in print or digital text.</p> <p>Cluster: Integration of Knowledge and Ideas Content Complexity: Level 3: Strategic Thinking &amp; Complex Reasoning</p>	<p>Lesson Plan: <a href="#">Jobs or No Jobs?</a> Lesson Plan: <a href="#">Show me the Money</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.3.8</a></li> </ul> <p>Assess the extent to which the reasoning and evidence in a text support the author’s claims.</p> <p>Cluster: Integration of Knowledge and Ideas Content Complexity: Level 3: Strategic Thinking &amp; Complex Reasoning</p>	<p>Lesson Plan: <a href="#">After Reconstruction: Problems of African Americans in the South</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.3.9</a></li> </ul> <p>Compare and contrast treatments of the same topic in several primary and secondary sources.</p> <p>Cluster: Integration of Knowledge and Ideas Content Complexity: Level 3: Strategic Thinking &amp; Complex Reasoning</p>	<p>Lesson Plan: <a href="#">Florida During the Spanish-American War of 1898: Structured Academic Debate on African-American Participation in the War</a></p> <p>Text Resources: <a href="#">Nationalism, Colonialism, and The Cold War</a></p>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RH.4.10</a></li> </ul> <p>By the end of grade 8, read and comprehend history/social studies texts in the grades 6–8 text complexity band independently and proficiently.</p> <p>Cluster: Range of Reading and Level of Text Complexity Content Complexity: Level 2: Basic Application of Skills and Concepts</p>	<p>Lesson Plan: <a href="#">Buried in Ash: New Revelations of an Ancient Culture</a> Text Resource: <a href="#">“The Learning Virtues”</a> Text Resource: <a href="#">Buzz Aldrin On Why We Should Go To Mars</a> Text Resource: <a href="#">What Caused the Dust Bowl?</a> Resource Collection: <a href="#">Kelly Gallagher: Building Deeper Readers and Writers</a></p>

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<b>Strand: LAFS.910.RST:</b> <b>Reading Standards for Literacy in Science and Technical Subjects 9-10</b>	
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RST.1.1</a> Cite specific textual evidence to support analysis of science and technical texts. Cluster: Key Ideas and Details Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	Lesson Plan: <a href="#">Antibiotic Resistant Wildlife?</a>  Lesson Plan: <a href="#">Killer Prairie Dogs</a> Text Resource: <a href="#">A Century of Melaleuca Invasion in South Florida</a> Teaching Idea: <a href="#">The Birthday Paradox</a>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RST.1.2</a> Determine the central ideas or conclusions of a text; trace the text’s explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text. Cluster: Key Ideas and Details Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	Lesson Plan: <a href="#">Bad News for Starfish</a> Lesson Plan: Everyday Mysteries: <a href="#">Why Do We Yawn?</a> Tutorial: <a href="#">Sparks Fly: Discovering Central Ideas</a> Text Resource: <a href="#">Peering into the Secret World of Life Beneath Winter Snows</a>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RST.1.3</a> Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exception defined in the text. Cluster: Key Ideas and Details Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	Lesson Plan: <a href="#">Gluva-Glop</a>  Lesson Plan: <a href="#">Prokaryote and Eukaryote Microscope Activity</a>  STEM Lesson: <a href="#">Corn Conundrum</a>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RST.2.4</a> Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9-10 texts and topics. Cluster: Craft and Structure Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	Lesson Plan: <a href="#">Bioluminescent Millipedes Spark Bright Ideas!</a>  Lesson Plan: <a href="#">Digestion in 3-D!</a>  Text Resource: <a href="#">Cone Snail Venom Reveals Insulin Insights</a> Text Resource: <a href="#">Graphene: The Next Wonder Material?</a>
<ul style="list-style-type: none"> <li>• <a href="#">LAFS.910.RST.2.5</a> Analyze the structure of the relationships among concepts in a text, including relationships among key terms (e.g., force, friction, reaction force, energy). Cluster: Craft and Structure Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	Lesson Plan: <a href="#">Discovering Newton’s Third Law</a>  Lesson Plan: <a href="#">5K and No More-Producing Data</a>  Text Resources: <a href="#">Vaccines</a>  Tutorial: <a href="#">The Real-Life Neuroscience Behind Zombies</a>

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<ul style="list-style-type: none"> <li><a href="#">LAFS.910.RST.2.6</a> Analyze the author’s purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, defining the question the author seeks to address. Cluster: Craft and Structure Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	<p>Lesson Plan: <a href="#">Current Event Assignment</a></p> <p>Text Resource: <a href="#">Evolution Made Ridiculous Flightless Birds Over and Over</a></p> <p>Text Resource: <a href="#">What Happens to Shipping Containers Lost at Sea?</a></p>
<ul style="list-style-type: none"> <li><a href="#">LAFS.910.RST.3.7</a> Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words. Cluster: Integration of Knowledge and Ideas Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	<p>Lesson Plan: <a href="#">Cape Florida Lighthouse: Lore and Calculations</a></p> <p>Lesson Plan: <a href="#">Olympic Snowboard Design</a></p> <p>Text Resource: <a href="#">Tornadoes Strike Again. How Do They Work?</a></p> <p>STEM Resource: <a href="#">Interchangeable Wristwatch Band</a></p>
<ul style="list-style-type: none"> <li><a href="#">LAFS.910.RST.3.8</a> Assess the extent to which the reasoning and evidence in a text support the author’s claim or a recommendation for solving a scientific or technical problem. Cluster: Integration of Knowledge and Ideas Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	<p>Lesson Plan: <a href="#">The Impact of Melting Tropical Glaciers</a></p> <p>Lesson Plan: <a href="#">Investigating the pH of Soils</a></p> <p>Text Resource: <a href="#">F-16 Accident investigation Complete</a></p> <p>Tutorial: <a href="#">Pi Fight: Pi vs. Tau</a></p>
<ul style="list-style-type: none"> <li><a href="#">LAFS.910.RST.3.9</a> Compare and contrast findings presented in a text to those from other sources (including their own experiments), noting when the findings support or contradict previous explanations or accounts. Cluster: Integration of Knowledge and Ideas Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</li> </ul>	<p>Lesson Plan: <a href="#">Island Biogeography</a></p> <p>STEM Lesson Plan: <a href="#">Community Energy Wars</a></p>

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<ul style="list-style-type: none"> <li><a href="#">LAFS.910.RST.4.10</a></li> </ul> <p>By the end of grade 10, read and comprehend science/technical texts in the grades 9-10 text complexity band independently and proficiently.</p> <p>Cluster: Range of Reading and Level of Text Complexity</p> <p>Content Complexity: Level 2: Basic Application of Skills &amp; Concepts</p>	<p>Lesson Plan: <a href="#">Bird Migration: A Risky Business</a></p> <p>Lesson Plan: <a href="#">Lionfish: Invasive Predators!</a></p> <p>Resource Collection: : <a href="#">Kelly Gallagher: Building Deeper Readers and Writers</a></p> <p>Text Resource: <a href="#">Does Sour Cream Cause Bike Accidents?</a></p> <p>Text Resource: <a href="#">Slug Inspired Glue Can Heal a Broken Heart</a></p>
<p><b>Strand: LAFS. 910.WHST:</b></p> <p><b>Writing Standards for Literacy in History/Social Studies, Science, and Technical Subjects</b></p>	
<ul style="list-style-type: none"> <li><a href="#">LAFS.910.WHST.1.1</a></li> </ul> <p>Write arguments focused on discipline-specific content.</p> <ol style="list-style-type: none"> <li>Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.</li> <li>Support claim(s) with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources.</li> <li>Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.</li> <li>Establish and maintain a formal style.</li> <li>Provide a concluding statement or section that follows from and supports the argument presented.</li> </ol> <p>Cluster: Text Types and Purposes</p> <p>Content Complexity: Level 4: Extended Thinking &amp; Complex Reasoning</p>	<p>Lesson Plan: <a href="#">Fighting Poaching with Technology</a></p> <p>Lesson Plan: <a href="#">Rats on the Move</a></p> <p>Lesson Plan: <a href="#">Where Did All the Cod Go?</a></p> <p>Text Resource: <a href="#">Explainer: The Difference Between Radioactivity and Radiation</a></p> <p>Text Resource: <a href="#">Animal Clones: Double Trouble?</a></p>

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<ul style="list-style-type: none"> <li><a href="#">LAFS.910.WHST.1.2</a></li> </ul> <p>Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</p> <ol style="list-style-type: none"> <li>Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories as appropriate to achieving purpose; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.</li> <li>Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.</li> <li>Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts.</li> <li>Use precise language and domain-specific vocabulary to inform about or explain the topic.</li> <li>Establish and maintain a formal style and objective tone.</li> <li>Provide a concluding statement or section that follows from and supports the information or explanation presented.</li> </ol> <p>Cluster: Text Types and Purposes</p> <p>Content Complexity: Level 4: Extended Thinking &amp; Complex Reasoning</p>	<p>Lesson Plan: <a href="#">When North Becomes South</a></p> <p>Lesson Plan: <a href="#">Analyzing French Revolution Documents</a></p> <p>Lesson Plan: <a href="#">Ethical Colonization?</a></p> <p>Text Resource: <a href="#">“Designer” Chromosome for Brewer’s Yeast Built from Scratch</a></p> <p>Text Resource: <a href="#">Do Diamonds Really come from Coal?</a></p> <p>Text Resource: <a href="#">Sea Turtles: Ancient Creatures with Modern Problems</a></p>
<ul style="list-style-type: none"> <li><a href="#">LAFS.910.WHST.2.4</a></li> </ul> <p>Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p> <p>Cluster: Production and Distribution</p> <p>Content Complexity: Level 3: Strategic Thinking &amp; Complex Reasoning</p>	<p>Lesson Plan: <a href="#">NASA Space Shuttle Mission Patches</a></p> <p>Unit/Lesson Sequences: <a href="#">Nationalism, Colonialism, and The Cold War</a></p> <p>STEM Lesson- Model Eliciting Activity: <a href="#">Macromolecule Snack Attack</a></p>
<ul style="list-style-type: none"> <li><a href="#">LAFS.910.WHST.2.5</a></li> </ul> <p>Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p>Cluster: Production and Distribution</p> <p>Content Complexity: Level 3: Strategic Thinking &amp; Complex Reasoning</p>	<p>Lesson Plan: <a href="#">How to be a Molecular Biologist the Easy Way</a></p> <p>Lesson Plan: <a href="#">Unlocking the Playwright Within: Statues</a></p>

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<ul style="list-style-type: none"> <li> <a href="#">LAFS.910.WHST.2.6</a>            Use technology, including the Internet, to produce, publish and update individual or shared writing products, taking advantage of technology’s capacity to link to other information and to display information flexibly and dynamically.            Cluster: Production and Distribution            Content Complexity: Level 2: Basic Application of Skills &amp; Concepts         </li> </ul>	Professional Development: <a href="#">Branching Out: Growing Literacy Skills in Writing</a>
<ul style="list-style-type: none"> <li> <a href="#">LAFS.910.WHST.3.7</a>            Conduct short research projects to answer a question (including a self-generated question), or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.            Cluster: Research to Build and Present Knowledge            Content Complexity: Level 4: Extended Thinking &amp; Complex Reasoning         </li> </ul>	Unit/Lesson Sequences: <a href="#">The Two Big Powers and Their Cold War: 1945-1990 CE</a>  Lesson Plan: <a href="#">My 2 Cents</a>  Teaching Idea: <a href="#">Endangered Species Worldwide</a>
<ul style="list-style-type: none"> <li> <a href="#">LAFS.910.WHST.3.8</a>            Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.            Cluster: Research to Build and Present Knowledge            Content Complexity: Level 4: Extended Thinking &amp; Complex Reasoning         </li> </ul>	Tutorial: <a href="#">Eliminating Exotics: Identifying and Assessing Research for Quality and Usefulness</a>

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<ul style="list-style-type: none"> <li> <a href="#">LAFS.910.WHST.3.9</a>            Draw evidence from informational texts to support analysis reflection, and research.            Cluster: Research to Build and Present Knowledge            Content Complexity: Level 3: Strategic Thinking &amp; Complex Reasoning         </li> </ul>	<p>Lesson Plan: <a href="#">Climate Change: Atmospheric Carbon Dioxide</a></p> <p>Lesson Plan: <a href="#">Many Thrive If the Wolf Survives</a></p> <p>Text Resource: <a href="#">“Greener” Energy Needed Now, Group Warns</a></p> <p>Text Resource: <a href="#">Meet the Oldest Member of the Human Family</a></p>
<ul style="list-style-type: none"> <li> <a href="#">LAFS.910.WHST.4.10</a>            Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.            Cluster: Range of Writing            Content Complexity: Level 3: Strategic Thinking &amp; Complex Reasoning         </li> </ul>	<p>Lesson Plan: <a href="#">Can You Walk in My Shoes?</a></p> <p>Lesson Plan: <a href="#">Deadly Decomposition-Fungi</a></p>