

LITERATURE & THOUGHT

THE SCI-FI FACTOR



T E A C H E R G U I D E

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English Language Arts Standards » Reading: Literature » Grades 11–12 (RL)	
Key Ideas and Details	
1. Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text, including determining where the text leaves matters uncertain.	TG: pp. 15–16, 18, 22, 31, 40, 42, 52 IWL: 1.1, 1.2
2. Determine two or more themes or central ideas of a text and analyze their development over the course of the text, including how they interact and build on one another to produce a complex account; provide an objective summary of the text.	SB: p. 120 TG: pp. 15–16, 43, 44, 45–46, 49–50, 52 IWL: 1.1, 1.2, 3.3, 3.4, 4.1, 4.2
3. Analyze the impact of the author’s choices regarding how to develop and relate elements of a story or drama (e.g., where a story is set, how the action is ordered, how the characters are introduced and developed).	TG: pp. 29, 40
Craft and Structure	
4. Determine the meaning of words and phrases as they are used in the text, including figurative and connotative meanings; analyze the impact of specific word choices on meaning and tone, including words with multiple meanings or language that is particularly fresh, engaging, or beautiful. (Include Shakespeare as well as other authors.)	SB: pp. 10, 44, 120 TG: pp. 17, 21, 23–24, 25, 28, 32, 33, 36, 39, 40, 45–46, 47, 51, 52, 55, 56 IWL: 1.3, 1.4, 3.3, 3.4
5. Analyze how an author’s choices concerning how to structure specific parts of a text (e.g., the choice of where to begin or end a story, the choice to provide a comedic or tragic resolution) contribute to its overall structure and meaning as well as its aesthetic impact.	TG: p. 18
6. Analyze a case in which grasping point of view requires distinguishing what is directly stated in a text from what is really meant (e.g., satire, sarcasm, irony, or understatement).	SB: p. 82 TG: pp. 21, 31, 32, 33, 34–35 IWL: 2.3, 2.4
Integration of Knowledge and Ideas	
7. Analyze multiple interpretations of a story, drama, or poem (e.g., recorded or live production of a play or recorded novel or poetry), evaluating how each version interprets the source text. (Include at least one play by Shakespeare and one play by an American dramatist.)	TG: p. 19
8. (Not applicable to literature)	(Not applicable to literature)
9. Demonstrate knowledge of eighteenth-, nineteenth- and early-twentieth-century foundational works of American literature, including how two or more texts from the same period treat similar themes or topics.	
Range of Reading and Level of Text Complexity	
10. By the end of grade 11, read and comprehend literature, including stories, dramas, and poems, in the grades 11–CCR text complexity band proficiently, with scaffolding as needed at the high end of the range.	SB: The anthology includes texts of varying levels of complexity. TG: Suggestions for additional readings on pages 64–65 include selections that are challenging, average, and easy.

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English Language Arts Standards » Reading: Informational Text » Grades 11–12 (RI)	
Key Ideas and Details	
1. Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text, including determining where the text leaves matters uncertain.	TG: pp. 15–16 IWL: 1.1, 1.2
2. Determine two or more central ideas of a text and analyze their development over the course of the text, including how they interact and build on one another to provide a complex analysis; provide an objective summary of the text.	TG: pp. 15–16, 29, 30, 55 IWL: 1.1, 1.2
3. Analyze a complex set of ideas or sequence of events and explain how specific individuals, ideas, or events interact and develop over the course of the text.	TG: p. 44
Craft and Structure	
4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text (e.g., how Madison defines faction in Federalist No. 10).	SB: p. 10 TG: pp. 17, 25, 28, 29, 30, 36, 39, 47
5. Analyze and evaluate the effectiveness of the structure an author uses in his or her exposition or argument, including whether the structure makes points clear, convincing, and engaging.	TG: p. 20
6. Determine an author's point of view or purpose in a text in which the rhetoric is particularly effective, analyzing how style and content contribute to the power, persuasiveness, or beauty of the text.	TG: pp. 29, 41
Integration of Knowledge and Ideas	
7. Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.	TG: p. 57
8. Delineate and evaluate the reasoning in seminal U.S. texts, including the application of constitutional principles and use of legal reasoning (e.g., in U.S. Supreme Court majority opinions and dissents) and the premises, purposes, and arguments in works of public advocacy (e.g., The Federalist, presidential addresses).	
9. Analyze seventeenth-, eighteenth-, and nineteenth-century foundational U.S. documents of historical and literary significance (including The Declaration of Independence, the Preamble to the Constitution, the Bill of Rights, and Lincoln's Second Inaugural Address) for their themes, purposes, and rhetorical features.	
Range of Reading and Level of Text Complexity	
10. By the end of grade 11, read and comprehend literary nonfiction in the grades 11–CCR text complexity band proficiently, with scaffolding as needed at the high end of the range.	SB: The anthology includes texts of varying levels of complexity. TG: Suggestions for additional readings on pages 64–65 include selections that are challenging, average, and easy.

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English Language Arts Standards » Writing » Grades 11–12 (W)

Text Types and Purposes

<p>1. Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.</p> <p>a. Introduce precise, knowledgeable claim(s), establish the significance of the claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that logically sequences claim(s), counterclaims, reasons, and evidence.</p> <p>b. Develop claim(s) and counterclaims fairly and thoroughly, supplying the most relevant evidence for each while pointing out the strengths and limitations of both in a manner that anticipates the audience's knowledge level, concerns, values, and possible biases.</p> <p>c. Use words, phrases, and clauses as well as varied syntax to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.</p> <p>d. Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.</p> <p>e. Provide a concluding statement or section that follows from and supports the argument presented.</p>	<p>SB: pp. 44, 82 TG: pp. 23–24, 34–35, 54 IWL: 1.3, 1.4, 2.3, 2.4</p>
<p>2. Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.</p> <p>a. Introduce a topic; organize complex ideas, concepts, and information so that each new element builds on that which precedes it to create a unified whole; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension.</p> <p>b. Develop the topic thoroughly by selecting the most significant and relevant facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic.</p> <p>c. Use appropriate and varied transitions and syntax to link the major sections of the text, create cohesion, and clarify the relationships among complex ideas and concepts.</p> <p>d. Use precise language, domain-specific vocabulary, and techniques such as metaphor, simile, and analogy to manage the complexity of the topic.</p> <p>e. Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.</p> <p>f. Provide a concluding statement or section that follows from and supports the information or explanation presented (e.g., articulating implications or the significance of the topic).</p>	<p>TG: pp. 59, 60</p>

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English Language Arts Standards » Writing » Grades 11–12 (W)	
<p>3. Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.</p> <p>a. Engage and orient the reader by setting out a problem, situation, or observation and its significance, establishing one or multiple point(s) of view, and introducing a narrator and/or characters; create a smooth progression of experiences or events.</p> <p>b. Use narrative techniques, such as dialogue, pacing, description, reflection, and multiple plot lines, to develop experiences, events, and/or characters.</p> <p>c. Use a variety of techniques to sequence events so that they build on one another to create a coherent whole and build toward a particular tone and outcome (e.g., a sense of mystery, suspense, growth, or resolution).</p> <p>d. Use precise words and phrases, telling details, and sensory language to convey a vivid picture of the experiences, events, setting, and/or characters.</p> <p>e. Provide a conclusion that follows from and reflects on what is experienced, observed, or resolved over the course of the narrative.</p>	<p>TG: p. 43</p>
Production and Distribution of Writing	
<p>4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1–3 above.)</p>	<p>SB: pp. 44, 82 TG: pp. 23–24, 33, 34–35, 61 IWL: 1.3, 1.4, 2.3, 2.4</p>
<p>5. 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>TG: p. 61</p>
<p>6. Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.</p>	<p>TG: pp. 20, 57</p>
Research to Build and Present Knowledge	
<p>7. Conduct short as well as more sustained 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.</p>	<p>TG: pp. 20, 26–27, 49–50, 57, 58 IWL: 2.1, 2.2, 4.1, 4.2</p>
<p>8. Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.</p>	<p>TG: pp. 55, 57, 61</p>

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English Language Arts Standards » Writing » Grades 11–12 (W)

9. Draw evidence from literary or informational texts to support analysis, reflection, and research.
- Apply grades 11–12 Reading standards to literature (e.g., “Demonstrate knowledge of eighteenth-, nineteenth- and early-twentieth-century foundational works of American literature, including how two or more texts from the same period treat similar themes or topics”).
 - Apply grades 11–12 Reading standards to literary nonfiction (e.g., “Delineate and evaluate the reasoning in seminal U.S. texts, including the application of constitutional principles and use of legal reasoning [e.g., in U.S. Supreme Court Case majority opinions and dissents] and the premises, purposes, and arguments in works of public advocacy [e.g., The Federalist, presidential addresses]”).

SB: pp. 44, 82, 120, 143
TG: pp. 26–27, 49–50, 59, 60, 61
IWL: 2.1, 2.2, 4.1, 4.2

Range of Writing

10. Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences.

SB: pp. 44, 82, 120, 143
TG: pp. 23–24, 34–35, 45–46, 57, 58, 60
IWL: 1.3, 1.4, 2.3, 2.4, 3.3, 3.4, 4.3, 4.4

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English Language Arts Standards » Speaking and Listening » Grades 11–12 (SL)

Comprehension and Collaboration

<p>1. Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11–12 topics, texts, and issues, building on others’ ideas and expressing their own clearly and persuasively.</p> <p>a. Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.</p> <p>b. Work with peers to promote civil, democratic discussions and decision-making, set clear goals and deadlines, and establish individual roles as needed.</p> <p>c. Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.</p> <p>d. Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.</p>	<p>TG: pp. 53, 58</p>
<p>2. Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.</p>	<p>TG: p. 57</p>
<p>3. Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.</p>	<p>TG: p. 44</p>

Presentation of Knowledge and Ideas

<p>4. Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.</p>	<p>TG: pp. 43, 61</p>
<p>5. Make strategic use of digital media (e.g., textual, graphical, audio, visual, and interactive elements) in presentations to enhance understanding of findings, reasoning, and evidence and to add interest.</p>	<p>TG: pp. 20, 53, 57, 58, 61</p>
<p>6. Adapt speech to a variety of contexts and tasks, demonstrating a command of formal English when indicated or appropriate. (See grades 11–12 Language standards 1 and 3 on page 54 for specific expectations.)</p>	<p>TG: pp. 40, 61</p>

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All Standards Correlated by Selection >> Grades 11–12

Content	Pages	RL <i>ELA Reading Literature</i>	RI <i>ELA Reading Informational Text</i>	W <i>ELA Writing</i>	SL <i>ELA Speaking and Listening</i>
Concept Vocabulary	SB: p. 10	RL.11–12.4	RI.11–12.4		
Cluster One: What’s the “Science” in Science Fiction?					
Teaching the Critical Thinking Skill: Analyzing	TG: pp. 15–16 IWL: 1.1., 1.2	RL.11–12.1 RL.11–12.2	RI.11–12.1 RI.11–12.2		
Cluster One Vocabulary	TG: p. 17	RL.11–12.4	RI.11–12.4		
Backward Step, Paul Jennings	TG: p. 18	RL.11–12.1 RL.11–12.5			
Robot Dreams, Isaac Asimov	TG: p. 19	RL.11–12.7			
Terraforming Mars, Margarita Marinova and Christopher P. McKay	TG: p. 20		RI.11–12.5	W.11–12.6 W.11–12.7	SL.11–12.5
A Martian Sends a Postcard Home, Craig Raine	TG: p. 21	RL.11–12.4 RL.11–12.6			
Mariana, Fritz Leiber	TG: p. 22	RL.11–12.1			
Responding to Cluster One Writing Activity: Yes/No: We Should Terraform Mars	SB: p. 44 TG: pp. 23–24 IWL: 1.3, 1.4	RL.11–12.4		W.11–12.1 W.11–12.4	
Cluster One Vocabulary Test	TG: p. 25	RL.11–12.4	RI.11–12.4		
Cluster Two: Who’s Out There?					
Teaching the Critical Thinking Skill: Hypothesizing	TG: pp. 26–27 IWL: 2.1, 2.2			W.11–12.7 W.11–12.9	
Cluster Two Vocabulary	TG: p. 28	RL.11–12.4	RI.11–12.4		
Dark They Were, and Golden-Eyed, Ray Bradbury <i>CCSS Exemplar Author</i>	TG: p. 29	RL.11–12.1 RL.11–12.3 RL.11–12.4			
Project Blue Book, Government Report	TG: p. 30		RI.11–12.2 RI.11–12.4		
What’s Alien You?, Dave Barry	TG: p. 31	RL.11–12.1 RL.11–12.6			
In Communication with a UFO, Helen Chasin	TG: p. 32	RL.11–12.4 RL.11–12.6			
Puppet Show, Fredric Brown	TG: p. 33	RL.11–12.4 RL.11–12.6		W.11–12.4	

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Content	Pages	RL <i>ELA Reading Literature</i>	RI <i>ELA Reading Informational Text</i>	W <i>ELA Writing</i>	SL <i>ELA Speaking and Listening</i>
Responding to Cluster Two Writing Activity: Hypothesis: There Are/Are Not Other Intelligent Beings in the Universe	SB: p. 82 TG: pp. 34–35 IWL: 2.3, 2.4	RL.11–12.6		W.11–12.1 W.11–12.4	
Cluster Two Vocabulary Test	TG: p. 36	RL.11–12.4	RI.11–12.4		
Cluster Three: What Can We Learn from Science Fiction?					
Teaching the Critical Thinking Skill: Drawing Conclusions	TG: pp. 37–38 IWL: 3.1, 3.2				
Cluster Three Vocabulary	TG: p. 39	RL.11–12.4	RI.11–12.4		
The Star Beast, Nicholas Stuart Gray	TG: p. 40	RL.11–12.1 RL.11–12.4			SL.11–12.6
From Science Fiction to Science Fact, Julie Nobles	TG: p. 41		RI.11–12.6		
Lose Now, Pay Later, Carol Farley	TG: p. 42	RL.11–12.1			
The Water Traders’ Dream, Robert Priest	TG: p. 43	RL.11–12.2		W.11–12.3	SL.11–12.4
The Helping Hand, Norman Spinrad	TG: p. 44	RL.11–12.2	RI.11–12.3		SL.11–12.3
Responding to Cluster Three Writing Activity: Life’s Little Lessons	SB: p. 120 TG: pp. 45–46 IWL: 3.3, 3.4	RL.11–12.2 RL.11–12.4			
Cluster Three Vocabulary Test	TG: p. 47	RL.11–12.4	RI.11–12.4		
Cluster Four: Thinking on Your Own					
Teaching the Critical Thinking Skill: Synthesizing and Integrating	TG: pp. 49–50 IWL: 4.1, 4.2	RL.11–12.2		W.11–12.7 W.11–12.9	
Cluster Four Vocabulary	TG: p. 51	RL.11–12.4			
SQ, Ursula K. Le Guin	TG: p. 52	RL.11–12.1 RL.11–12.2 RL.11–12.4			

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All Watched Over by Machines of Loving Grace, Richard Brautigan	TG: p. 53				SL.11–12.1 SL.11–12.5
Minister Without Portfolio, Mildred Clingerman	TG: p. 54			W.11–12.1	
The Choice, W. Hilton-Young	TG: p. 55	RL.11–12.4	RI.11–12.2	W.11–12.8	
Cluster Four Vocabulary Test	TG: p. 56	RL.11–12.4			
Additional Teacher Guide Resources					
Research, Writing, and Discussion Topics	TG: p. 57			W.11–12.6 W.11–12.7 W.11–12.8 W.11–12.10	SL.11–12.2 SL.11–12.5
Assessment and Project Ideas	TG: p. 58			W.11–12.7 W.11–12.10	SL.11–12.1 SL.11–12.5
Answering the Essential Question	TG: p. 59			W.11–12.2 W.11–12.9	
Essay Test	TG: p. 60			W.11–12.2 W.11–12.9 W.11–12.10	
Rubric for Project Evaluation	TG: p. 63			W.11–12.4 W.11–12.5 W.11–12.8 W.11–12.9	SL.11–12.4 SL.11–12.5 SL.11–12.6
Related Literature	TG: pp. 64–65	RL.11–12.10	RI.11–12.10		