

LITERATURE & THOUGHT

THE SCI-FI FACTOR



TEACHER GUIDE

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English Language Arts Standards » Reading: Literature » Grades 9–10 (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.	TG: pp. 15–16, 18, 22, 31, 40, 42, 52 IWL: 1.1, 1.2
2. Determine a theme or central idea of a text and analyze in detail its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of the text.	SB: p. 120 TG: pp. 15–16, 37–38, 43, 44, 45–46, 49–50, 52 IWL: 1.1, 1.2, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2
3. Analyze how complex characters (e.g., those with multiple or conflicting motivations) develop over the course of a text, interact with other characters, and advance the plot or develop the theme.	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 cumulative impact of specific word choices on meaning and tone (e.g., how the language evokes a sense of time and place; how it sets a formal or informal tone).	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 a text, order events within it (e.g., parallel plots), and manipulate time (e.g., pacing, flashbacks) create such effects as mystery, tension, or surprise.	TG: pp. 18, 54
6. Analyze a particular point of view or cultural experience reflected in a work of literature from outside the United States, drawing on a wide reading of world literature.	TG: p. 32
Integration of Knowledge and Ideas	
7. Analyze the representation of a subject or a key scene in two different artistic mediums, including what is emphasized or absent in each treatment (e.g., Auden's "Musée des Beaux Arts" and Breughel's Landscape with the Fall of Icarus).	TG: p. 19
8. (Not applicable to literature)	(Not applicable to literature)
9. Analyze how an author draws on and transforms source material in a specific work (e.g., how Shakespeare treats a theme or topic from Ovid or the Bible or how a later author draws on a play by Shakespeare).	
Range of Reading and Level of Text Complexity	
10. By the end of grade 10, read and comprehend literature, including stories, dramas, and poems, at the high end of the grades 9–10 text complexity band independently and proficiently.	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 9–10 (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.	TG: pp. 15–16 IWL: 1.1, 1.2
2. Determine a central idea of a text and analyze its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of the text.	TG: pp. 15–16, 29, 30, 55 IWL: 1.1, 1.2
3. Analyze how the author unfolds an analysis or series of ideas or events, including the order in which the points are made, how they are introduced and developed, and the connections that are drawn between them.	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 the cumulative impact of specific word choices on meaning and tone (e.g., how the language of a court opinion differs from that of a newspaper).	SB: p. 10 TG: pp. 17, 25, 28, 29, 30, 36, 39, 47
5. Analyze in detail how an author's ideas or claims are developed and refined by particular sentences, paragraphs, or larger portions of a text (e.g., a section or chapter).	TG: p. 20
6. Determine an author's point of view or purpose in a text and analyze how an author uses rhetoric to advance that point of view or purpose.	TG: pp. 29, 41

Integration of Knowledge and Ideas

7. Analyze various accounts of a subject told in different mediums (e.g., a person's life story in both print and multimedia), determining which details are emphasized in each account.	TG: p. 20
8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is valid and the evidence is relevant and sufficient; identify false statements and fallacious reasoning.	TG: p. 41
9. Analyze seminal U.S. documents of historical and literary significance (e.g., Washington's Farewell Address, the Gettysburg Address, Roosevelt's Four Freedoms speech, King's "Letter from Birmingham Jail"), including how they address related themes and concepts.	

Range of Reading and Level of Text Complexity

10. By the end of grade 9, read and comprehend literary nonfiction in the grades 9–10 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 9–10 (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> <ul style="list-style-type: none"> a. Introduce precise claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that establishes clear relationships among claim(s), counterclaims, reasons, and evidence. b. Develop claim(s) and counterclaims fairly, supplying evidence for each while pointing out the strengths and limitations of both in a manner that anticipates the audience's knowledge level and concerns. c. Use words, phrases, and clauses 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. 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. e. Provide a concluding statement or section that follows from and supports the argument presented. 	<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> <ul style="list-style-type: none"> a. Introduce a topic; organize complex ideas, concepts, and information to make important connections and distinctions; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension. b. Develop the topic with well-chosen, relevant, and sufficient facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic. c. Use appropriate and varied transitions to link the major sections of the text, create cohesion, and clarify the relationships among complex ideas and concepts. d. Use precise language and domain-specific vocabulary to manage the complexity of the topic. 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. 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>TG: pp. 59, 60</p>

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English Language Arts Standards » Writing » Grades 9–10 (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, 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.</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, 62 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. 62</p>
<p>6. 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.</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 usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.</p>	<p>TG: pp. 55, 57, 62</p>

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English Language Arts Standards » Writing » Grades 9–10 (W)

<p>9. Draw evidence from literary or informational texts to support analysis, reflection, and research.</p> <p>a. Apply grades 9–10 Reading standards to literature (e.g., “Analyze how an author draws on and transforms source material in a specific work [e.g., how Shakespeare treats a theme or topic from Ovid or the Bible or how a later author draws on a play by Shakespeare]”).</p> <p>b. Apply grades 9–10 Reading standards to literary nonfiction (e.g., “Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is valid and the evidence is relevant and sufficient; identify false statements and fallacious reasoning”).</p>	<p>SB: pp. 44, 82, 120, 143 TG: pp. 26–27, 49–50, 59, 60, 62 IWL: 2.1, 2.2, 4.1, 4.2</p>
Range of Writing	
<p>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.</p>	<p>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</p>

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English Language Arts Standards » Speaking and Listening » Grades 9–10 (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 9–10 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 set rules for collegial discussions and decision-making (e.g., informal consensus, taking votes on key issues, presentation of alternate views), clear goals and deadlines, and individual roles as needed.</p> <p>c. Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.</p> <p>d. Respond thoughtfully to diverse perspectives, summarize points of agreement and disagreement, and, when warranted, qualify or justify their own views and understanding and make new connections in light of the evidence and reasoning presented.</p>	<p>TG: pp. 53, 58</p>
<p>2. Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.</p>	<p>TG: p. 57</p>
<p>3. Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.</p>	<p>TG: p. 44</p>

Presentation of Knowledge and Ideas

<p>4. Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.</p>	<p>TG: pp. 43, 62</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, 62</p>
<p>6. Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate. (See grades 9–10 Language standards 1 and 3 for specific expectations.)</p>	<p>TG: pp. 40, 62</p>

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All Standards Correlated by Selection >> Grades 9–10

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.9–10.4	RI.9–10.4		
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.9–10.1 RL.9–10.2	RI.9–10.1 RI.9–10.2		
Cluster One Vocabulary	TG: p. 17	RL.9–10.4	RI.9–10.4		
Backward Step, Paul Jennings	TG: p. 18	RL.9–10.1 RL.9–10.5			
Robot Dreams, Isaac Asimov	TG: p. 19	RL.9–10.7			
Terraforming Mars, Margarita Marina and Christopher P. McKay	TG: p. 20		RI.9–10.5	W.9–10.6 W.9–10.7	SL.9–10.5
A Martian Sends a Postcard Home, Craig Raine	TG: p. 21	RL.9–10.4			
Mariana, Fritz Leiber	TG: p. 22	RL.9–10.1			
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.9–10.4		W.9–10.1 W.9–10.4	
Cluster One Vocabulary Test	TG: p. 25	RL.9–10.4	RI.9–10.4		
Cluster Two: Who’s Out There?					
Teaching the Critical Thinking Skill: Hypothesizing	TG: pp. 26–27 IWL: 2.1, 2.2			W.9–10.7 W.9–10.9	
Cluster Two Vocabulary	TG: p. 28	RL.9–10.4	RI.9–10.4		
Dark They Were, and Golden-Eyed, Ray Bradbury <i>CCSS Exemplar Author</i>	TG: p. 29	RL.9–10.1 RL.9–10.3 RL.9–10.4			
Project Blue Book, Government Report	TG: p. 30		RI.9–10.2 RI.9–10.4		
What’s Alien You?, Dave Barry	TG: p. 31	RL.9–10.1			
In Communication with a UFO, Helen Chasin	TG: p. 32	RL.9–10.4 RL.9–10.6			

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Puppet Show, Fredric Brown	TG: p. 33	RL.9–10.4		W.9–10.4	
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			W.9–10.1 W.9–10.4	
Cluster Two Vocabulary Test	TG: p. 36	RL.9–10.4	RI.9–10.4		
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	RL.9–10.2			
Cluster Three Vocabulary	TG: p. 39	RL.9–10.4	RI.9–10.4		
The Star Beast, Nicholas Stuart Gray	TG: p. 40	RL.9–10.1 RL.9–10.3 RL.9–10.4			SL.9–10.6
From Science Fiction to Science Fact, Julie Nobles	TG: p. 41		RI.9–10.6 RI.9–10.8		
Lose Now, Pay Later, Carol Farley	TG: p. 42	RL.9–10.1			
The Water Traders’ Dream, Robert Priest	TG: p. 43	RL.9–10.2		W.9–10.3	SL.9–10.4
The Helping Hand, Norman Spinrad	TG: p. 44	RL.9–10.2	RI.9–10.3		SL.9–10.3
Responding to Cluster Three Writing Activity: Life’s Little Lessons	SB: p. 120 TG: pp. 45–46 IWL: 3.3, 3.4	RL.9–10.2 RL.9–10.4			
Cluster Three Vocabulary Test	TG: p. 47	RL.9–10.4	RI.9–10.4		
Cluster Four: Thinking on Your Own					
Teaching the Critical Thinking Skill: Synthesizing and Integrating	TG: pp. 49–50 IWL: 4.1, 4.2	RL.9–10.2		W.9–10.7 W.9–10.9	
Cluster Four Vocabulary	TG: p. 51	RL.9–10.4			

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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>
SQ, Ursula K. Le Guin	TG: p. 52	RL.9–10.1 RL.9–10.2 RL.9–10.4			
All Watched Over by Machines of Loving Grace, Richard Brautigan	TG: p. 53				SL.9–10.1 SL.9–10.5
Minister Without Portfolio, Mildred Clingerman	TG: p. 54	RL.9–10.5		W.9–10.1	
The Choice, W. Hilton-Young	TG: p. 55	RL.9–10.4	RI.9–10.2	W.9–10.8	
Cluster Four Vocabulary Test	TG: p. 56	RL.9–10.4			
Additional Teacher Guide Resources					
Research, Writing, and Discussion Topics	TG: p. 57			W.9–10.6 W.9–10.7 W.9–10.8 W.9–10.10	SL.9–10.2 SL.9–10.5
Assessment and Project Ideas	TG: p. 58			W.9–10.7 W.9–10.10	SL.9–10.1 SL.9–10.5
Answering the Essential Question	TG: p. 59			W.9–10.2 W.9–10.9	
Essay Test	TG: p. 60			W.9–10.2 W.9–10.9 W.9–10.10	
Rubric for Project Evaluation	TG: p. 62			W.9–10.4 W.9–10.5 W.9–10.8 W.9–10.9	SL.9–10.4 SL.9–10.5 SL.9–10.6
Related Literature	TG: pp. 64–65	RL.9–10.10	RI.9–10.10		