





**LST.3: STRUCTURAL ELEMENTS AND ORGANIZATION (READING)**

Build understanding of science and technical texts, using knowledge of structural organization and author's purpose

<p><b>6-8.LST.3.1:</b> 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 6-8 texts and topics.</p>			<p><b>9-10.LST.3.1:</b> 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</p>			<p><b>11-12.LST.3.1:</b> 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 11-12 texts and topics.</p>			
<p><b>6-8.LST.3.2:</b> Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.</p>			<p><b>9-10.LST.3.2:</b> Analyze the structure of the relationships among concepts in a text, including relationships among key terms (e.g., force, friction, reaction force, energy).</p>			<p><b>11-12.LST.3.2:</b> Analyze how the text structures information or ideas into categories or hierarchies, demonstrating understanding of the information or ideas.</p>			
<p><b>6-8.LST.3.3:</b> Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.</p>			<p><b>9-10.LST.3.3:</b> 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.</p>			<p><b>11-12.LST.3.3:</b> Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.</p>			

**LST.4: SYNTHESIS AND CONNECTION OF IDEAS (READING)**  
 Build understanding of science and technical texts by synthesizing and connecting ideas and evaluating specific claims

**6-8.LST.4.1:**  
 Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

**9-10.LST.4.1:**  
 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

**11-12.LST.4.1:**  
 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem..

**6-8.LST.4.2:**  
 Distinguish among facts, reasoned judgment based on research findings, and speculation in a text.

**9-10.LST.4.2:**  
 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.

**11-12.LST.4.2:**  
 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.

**6-8.LST.4.3:**  
 Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading

**9-10.LST.4.3:**  
 Compare and contrast findings presented in a text to those from other sources (including their own experiments), noting when the findings support

**11-12.LST.4.3:**  
 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting

	a text on the same topic.		or contradict previous explanations or accounts				information when possible.			
<b>LST.6: THE WRITING PROCESS (WRITING)</b> Produce coherent and legible documents by planning, drafting, revising, editing, and collaborating with others	<b>6-8.LST.6.1:</b> Plan and develop; draft; revise using appropriate reference materials; rewrite; try a new approach; and edit to produce and strengthen writing that is clear and coherent, with some guidance and support from peers and adults.		<b>9-10.LST.6.1:</b> Plan and develop; draft; revise using appropriate reference materials; rewrite; try a new approach, focusing on addressing what is most significant for a specific purpose and audience; and edit to produce and strengthen writing that is clear and coherent.				<b>11-12.LST.6.1:</b> Plan and develop; draft; revise using appropriate reference materials; rewrite; try a new approach, focusing on addressing what is most significant for a specific purpose and audience; and edit to produce and strengthen writing that is clear and coherent.			
	<b>6-8.LST.6.2:</b> Use technology to produce and publish writing and present the relationships between information and ideas clearly and efficiently		<b>9-10.LST.6.2:</b> Use technology 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.				<b>11-12.LST.6.2:</b> Use technology to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.			

**LST.7: THE RESEARCH PROCESS (WRITING)**  
**Build knowledge about the research process and the topic under study by conducting short or more sustained research**

<p><b>6-8.LST.7.1:</b>          Conduct short research assignments and tasks to answer a question (including a self-generated question), or test a hypothesis, drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.</p>		<p><b>9-10.LST.7.1:</b>          Conduct short as well as more sustained research assignments and tasks to answer a question (including a self-generated question), test a hypothesis, 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><b>11-12.LST.7.1:</b>          Conduct short as well as more sustained research assignments and tasks to answer a question (including a self-generated question), test a hypothesis, 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><b>6-8.LST.7.2:</b>          Gather relevant information from multiple sources, using search terms effectively; annotate sources; 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</p>		<p><b>9-10.LST.7.2:</b>          Gather relevant information from multiple authoritative sources, using advanced searches effectively; annotate sources; assess the usefulness of each source in answering the research question; synthesize and integrate information into the text</p>			<p><b>11-12.LST.7.2:</b>          Gather relevant information from multiple types of authoritative sources, using advanced searches effectively; annotate sources; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; synthesize and integrate information</p>			

	citation (e.g., APA or CSE).			selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation (e.g., APA or CSE).				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 (e.g., APA or CSE).			
	<b>6-8.LST.7.3:</b> Draw evidence from informational texts to support analysis, reflection, and research.			<b>9-10.LST.7.3:</b> Draw evidence from informational texts to support analysis, reflection, and research.				<b>11-12.LST.7.3:</b> Draw evidence from informational texts to support analysis, reflection, and research.			