

Common Core Standards		CodeBot Missions													
Section 1: Reading Standards for Literacy in Science and Technical Subjects 6–12															
Grades 6-8		1	2	3	RM	4	5	RM	6	7	RM	8	9	FP	
Key Ideas and Details															
<p>1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.</p> <p>2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.</p> <p>3. Analyze how and why individuals, events, or ideas develop and interact over the course of a text.</p> <p>Students:</p>	1. Cite specific textual evidence to support analysis of science and technical texts.														
	2. Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.														
	3. Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	X	X	X	X	X	X	X	X	X	X	X	X	X	
Craft and Structure															
<p>4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.</p> <p>5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.</p> <p>6. Assess how point of view or purpose shapes the content and style of a text.</p> <p>Students:</p>	4. 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.	X	X	X		X	X		X	X		X	X		
	5. 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.														
	6. Analyze the author’s purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.														
Integration of Knowledge and Ideas															
<p>7. Integrate and evaluate content presented in diverse formats and media, including visually and quantitatively, as well as in words.*</p> <p>8. Delineate and evaluate the argument</p>	7. 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).			X		X			X			X			

<p>8. Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.</p>	<p>8. Distinguish among facts, reasoned judgment based on research findings, and speculation in a text.</p>																
<p>9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take. Students:</p>	<p>9. Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.</p>																

<p>Range of Reading & Level of Text Complexity</p>																	
<p>10. Read and comprehend complex literary and informational texts independently and proficiently. Students:</p>	<p>10. By the end of grade 8, read and comprehend science/technical texts in the grades 6–8 text complexity band independently and proficiently</p>	X	X	X	X	X		X	X	X		X	X	X			

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<p>Grades 9-12</p>	1	2	3	RM	4	5	RM	6	7	RM	8	9	FP
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<p>Key Ideas and Details</p>																	
<p>1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.</p>	<p>1. Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.</p>																
<p>2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.</p>	<p>2. Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.</p>																
<p>3. Analyze how and why individuals, events, or ideas develop and interact over the course of a text. Students:</p>	<p>3. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.</p>	X	X	X		X	X		X	X		X	X				

<p>Craft and Structure</p>																	
<p>4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.</p>	<p>4. 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>	X	X	X		X	X		X	X		X	X				

word choices shape meaning or tone.

5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.

6. Assess how point of view or purpose shapes the content and style of a text.

Students:

5. Analyze how the text structures information or ideas into categories or hierarchies, demonstrating understanding of the information or ideas.

6. 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.

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Integration of Knowledge and Ideas

7. Integrate and evaluate content presented in diverse formats and media, including visually and quantitatively, as well as in words.*

8. Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.

9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

Students:

7. 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.

8. 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.

9. Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.

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Range of Reading & Level of Text Complexity

10. Read and comprehend complex literary and informational texts independently and proficiently.

Students:

10. By the end of grade 12, read and comprehend science/technical texts in the grades 11–CCR text complexity band independently and proficiently

X	X	X			X	X			X	X				X	X				X	X