

Reading Standards for Literacy in Science and Technical Subjects : Grades 11-12

Key Ideas and Details

- 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. [RST.11-12.1](#)
- 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. [RST.11-12.2](#)
- 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. [RST.11-12.3](#)

Craft and Structure

- 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. [RST.11-12.4](#)
- 5** Analyze how the text structures information or ideas into categories or hierarchies, demonstrating understanding of the information or ideas. [RST.11-12.5](#)
- 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. [RST.11-12.6](#)

Integration of Knowledge and Ideas

- 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. [RST.11-12.7](#)
- 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. [RST.11-12.8](#)

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. RST.11-12.9

**Range of Reading and
Level of Text Complexity**

10 By the end of grade 12, read and comprehend science/technical texts in the grades 11–CCR text complexity band independently and proficiently. RST.11-12.10