

Writing for Science and Technical Subjects: Grades 11, 12

Adopted 2014

Writing: Students write for different purposes and audiences. Students write clear and focused text to convey a well-defined perspective and appropriate content. CC.3.6

Text Types and Purposes

- A. Write arguments focused on discipline-specific content.
 - 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 the claim(s), counterclaims, reasons, and evidence.
 - Develop claim(s) and counterclaims fairly and thoroughly, supplying the most relevant data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form that anticipates the audience's knowledge level, concerns, values, and possible biases.
 - 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.
 - Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.
 - Provide a concluding statement or section that follows from or supports the argument presented. CC.3.6.11-12.A
- B. Write informative/explanatory texts, including the narration of historical events, scientific procedures/experiments, or technical processes.
 - Introduce a topic and 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.
 - 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.
 - Use varied transitions and sentence structures to link the major sections of the text, create cohesion, and clarify the relationships among complex ideas and concepts.
 - Use precise language, domain-specific vocabulary and techniques such as metaphor, simile, and analogy to manage the complexity of the topic; convey a knowledgeable stance in a style that responds to the discipline and context as well as to the expertise of likely readers.
 - Provide a concluding statement or section that follows from and supports the information or explanation provided (e.g., articulating implications or the significance of the topic). CC.3.6.11-12.B

Production and Distribution of Writing

- C.** Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. **CC.3.6.11-12.C**
- D.** 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. **CC.3.6.11-12.D**
- E.** 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. **CC.3.6.11-12.E**

Research to Build and Present Knowledge

- F.** 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. **CC.3.6.11-12.F**
- G.** 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 specific 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. **CC.3.6.11-12.G**
- H.** Draw evidence from informational texts to support analysis, reflection, and research. **CC.3.6.11-12.H**

Range of Writing

- I.** Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences. **CC.3.6.11-12.I**