



In STEM fields, professional technical reading and writing skills are required daily.

- Integrate and evaluate multiple sources of information presented in diverse formats and media
- Evaluate the question or problem, hypotheses, data, analysis, and conclusions in a science, engineering, or technical text; corroborate or challenge conclusions with other information
- Compare and contrast the information gained from investigations, engineering design processes, simulations, video, research, or multimedia sources with that gained from reading a text on the same topic
- Cite specific evidence from the text to support analysis of science, engineering, and other technical texts
- Identify the main ideas or conclusions of a technical text; summarize complex concepts, requirements, processes, or information
- Follow a multistep procedure when carrying out scientific investigations or engineering design processes, taking measurements, or performing technical tasks; analyze the results based on explanations in the text
- Analyze the structure and organization of a technical text, including how the major sections contribute to the whole and an understanding of the topic
- Analyze diagrams, data, visuals, sketches, CAD drawings, and graphics in conjunction with text
- Determine the meaning of key terms, symbols, and other discipline-specific words/phrases
- Analyze the author's purpose in providing an explanation, analysis, or investigation in a technical text

- Collect relevant information from multiple high