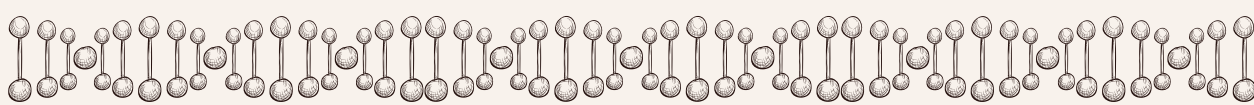


Why teach Critical Reading in STEM?



01

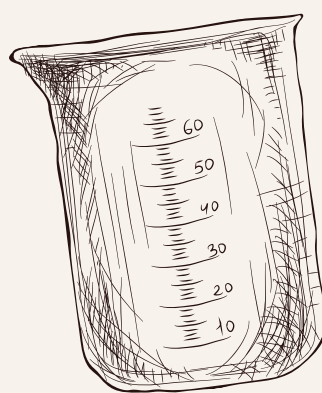
Understanding the Scientific Process

Critical reading helps students comprehend research processes, including developing research questions, forming hypotheses, interpreting results, and drawing conclusions

02

Evaluating Credibility

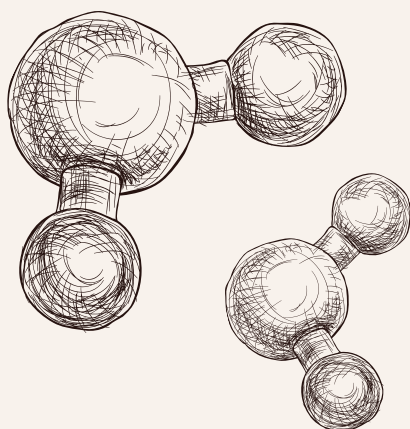
Evaluating credibility involves assessing the reliability and validity of research findings, identifying potential biases, and understanding the limitations of studies, skills that critical reading supports



03

Analyzing Arguments and Evidence

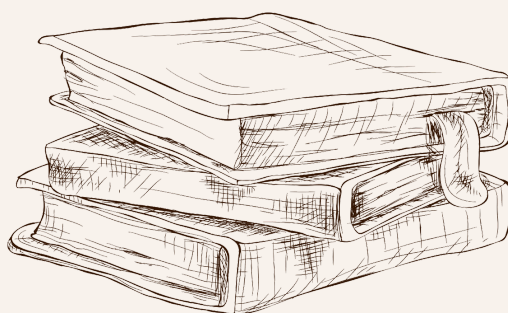
Critical readers can identify logical fallacies, evaluate the strength of evidence presented, and assess the overall quality of scientific arguments



04

Contextualizing Information

Students must understand the broader context of scientific knowledge and how new findings fit into existing theories and frameworks to deepen and broaden disciplinary knowledge



05

Applying Knowledge

Critical reading skills enable students to apply scientific information to solve problems, make informed decisions, and contribute to scientific advancements

