



STEM strategies

FOCUS

Focus on specific learning objectives for key areas of improvement in:

- clarity
- precision
- data presentation
- technical language usage

Focus on specific aspects of STEM writing:

- effective data representation,
- clear problem-solving approaches
- adherence to technical writing conventions.

SOLVE

Encourage students to think of writing as problem-solving. Provide resources and practice in:

- solving technical problems
- using logical and problem-solving approaches
- structuring arguments in a way that addresses specific problems or research questions

MODEL

Use model examples of well-written STEM papers, reports, or research articles to highlight:

- effective communication strategies
- data interpretation
- logical organization expected of STEM writing

Provide templates and outlines for common STEM writing structures:

- lab reports
- research papers
- technical documentation.

REVISE

Provide resources for revision strategies that are useful in STEM writing:

- improving clarity
- reducing redundancy
- enhancing the coherence of technical explanations