

Unit 5: Closing the STEM Gap — 5-Lesson Teaching Plan

Lesson 1 — Introduction & Warm-up: Educational Inequality

Focus: Recognize inequality in education

Pages: p.116–117

1. Warm-up: Discuss balance chart (inequality factors vs. solutions). Groups share 3-min reports.

Sentences: The issue of (factor) will cause (problem). One solution is that S + V...

2. Vocabulary: inequality, diversity, accessibility, scholarship, opportunity

3. Extension: Poster – 'Bridge the Gap!'

Task: Complete the balance chart & write one English sentence about educational inequality.

Lesson 2 — Reading 1: Previewing & Paragraph 1–2

Focus: Use previewing strategy to understand text

Pages: p.118–119

1. Reading Strategy: Preview title, abstract, and underline key words: STEM gap, diversity, women.

2. Reading Paragraphs 1–2: Education right, inequality in STEM.

3. Discussion: Why do lower-income families struggle in STEM? What can governments do?

Task: Complete comprehension exercises.

Key Sentence: If there were no social bias, we could encourage more individuals to pursue STEM fields.

Lesson 3 — Reading 2: Paragraph 3–5 & Graphic Organizer

Focus: Identify problems and solutions; understand structure

Pages: p.120–121

1. Review Paragraph 2 (Problem) → Australia's Example (Solution)

2. Paragraphs 3–5: Analyze functions of each paragraph.

3. Fill in Graphic Organizer: Problem – Evaluation – Solution

Keywords: make up, stereotypes, educators, held back by bias

Task: Create a flow chart and explain it in English for 1 minute.

Lesson 4 — Writing: Problem–Solution Essay

Focus: Structure and organize writing logically

Pages: p.123

1. Analyze example structure: Problem → Causes → Solution → Effect.
2. Topic: Improving Student Cafeteria Food.
Step 1: Identify 2 problems. Step 2: Suggest 2 practical solutions.
3. Peer Review: Check clarity of problem and solution.

Task: Write a 100–120 word mini essay (Problem–Solution).

Lesson 5 — Critical Thinking & Discussion

Focus: Infer and express opinions critically

Pages: p.122–124

1. Comprehension Check: Multiple choice and inference.
2. Discussion: How can schools promote diversity in STEM? What if all STEM teachers were male?
3. Grammar Focus: that / those comparison.
4. Final Presentation: My Solution to Close the STEM Gap (2-min English speech)

Task: Create a 'STEM Diversity Poster' and give a short presentation.

Assessment Overview

Formative Assessment: Group discussions, sharing, notes (30%)

Reading Comprehension Test: Multiple choice and open-ended (30%)

Writing Task: Problem–Solution Essay (25%)

Oral Presentation: Final performance (15%)