STEM Rubric Logic Model

**Efforts and Resources:**

1. Foundational principles.
2. Skills development.
3. Relevant literature.
4. Research opportunities.
5. Education and career mentoring.
6. Community engagement.

**Activities and Strategies:**

1. Reading, writing, and presenting.
2. Inquiry and analysis (qualitative and quantitative).
3. Problem-solving.
4. Teamwork.
5. Diversity, Belonging, Equity, and Inclusion (DBIE).
6. Research experience.
7. Career opportunities.
8. Sustainable Development Goals (SDGs).

**Short-Term Outcomes:**

1. Critical and creative thinking ability.
2. Knowledge and skills.
3. Work and research ethics.
4. Effective oral and written communication.
5. Ability to work in a team.
7. Cultural intelligence.
8. Global perspective.

**Long-Term Outcomes:**
1. Integrative learning and problem-solving.
2. Leadership and entrepreneurship.
3. Ethical conduct.
5. Engagement in sustainable development efforts.
6. Professional success.

**Impact:**

1. Well-educated, trained, and dedicated graduates.
2. Student success.
3. Faculty development.
4. Program success.
5. Institutional development, visibility, and ranking.

**Measurement Methods:**

1. Quantitative:
   i. Tests.
   ii. Surveys.
   iii. Evaluations.

2. Qualitative:
   i. Reports.
   ii. Interviews.

**Sliding Scale:**

1. Poor: 0 – 1.