

# STEM Fluency & Problem-Solving

*Building Confidence in Science, Technology, Engineering and Math*

A hands-on workshop that develops STEM thinking, problem-solving habits, and confidence for learners, educators and professionals. STEM is not just a set of school subjects — it is a way of asking questions, testing ideas and solving problems.

## Workshop Outline

- Opening: Why STEM fluency matters now — careers, AI and everyday decisions
- Module 1: The STEM mindset — curiosity, evidence, iteration and structured thinking
- Module 2: Breaking down complex problems into manageable parts
- Module 3: Using data and simple experiments to test ideas
- Module 4: Communicating technical ideas in plain language
- Module 5: Building a personal or team STEM action plan
- Closing: Commitments, resources and next steps

## Learning Outcomes

- A practical framework for approaching unfamiliar problems like an engineer or scientist
- Techniques for analyzing data, spotting assumptions and testing ideas quickly
- Confidence in explaining technical concepts to non-technical audiences
- A personal STEM learning, teaching or application action plan

## Ideal Audience

- Secondary and post-secondary students exploring STEM pathways
- STEM and non-STEM educators looking for engaging classroom strategies
- Corporate teams building analytical and digital confidence
- Youth programs, summer institutes and community organizations

## Available Formats

90 min interactive session • Half-day workshop • Full-day program • Virtual workshop

---

Immanuel Akrofi-Bruce

Motivational Speaker • AI • STEM • Education • Leadership  
immanuelakrofi-bruce.com | book@immanuelakrofi-bruce.com