Download the Google Doc

INTRODUCTION

Engage in Inquiry

Engage in Inquiry develops the skills learners need to engage in creative and critical problem-solving, exploration, and invention. This competency is crucial for future readiness in a world with increasingly complex challenges and opportunities that require a combination of creative thinking and rigorous analysis, across multiple disciplines.

— In a nutshell —

COMPETENCY	SKILLS
Engage in Inquiry I can pursue answers to authentic questions through primary and secondary research.	• Frame a question • Develop an inquiry plan • Select and evaluate secondary sources • Collect and organize original data • Synthesize sources or findings

What does Engage in Inquiry look like for learners?

Engage in Inquiry supports learners to become curious and self-disciplined investigators, as they

- develop questions and testable hypotheses.
- craft an actionable plan for their inquiry.
- explore existing research, data, and information related to their hypothesis.
- collect new data, analyzing it for patterns and relationships.
- develop a working thesis for the data they have analyzed.

Notes about language & skills

If you have explored the *Read the World* Competency you will see there are some common elements in this one: Both competencies ask learners to identify questions that matter to them, and to analyze sources, and identify themes, patterns and relationships. These skills are essential both for the more general work of understanding the world, and the more narrow focus of engaging in a more scientific inquiry process. Helping learners see the commonalities and differences in these competencies may be helpful.

Possible assessment formats

- Science Investigation
- Experiment Design
- Lab Report
- Research Design
- Research Paper
- Research Journal Article
- Infographic
- Science Fair Exhibit
- Industry Report
- Executive Summary
- Argumentative Essay
- Expository Essay