

A strategic outcomes framework for unified planning and evaluation: Can one size fit all?

The framework:

Primary and supporting outcome selection from six depth levels per outcome category

Outcome Category	Less program complexity	More program complexity
Interest	Situational	Personal
Attitude	Situational	Stable
Knowledge	Declarative & Conditional	Procedural (research processes)
STEM Skills/Practice	Acquisition	Application
Social-Emotional Development/Learning & 21 st Century Skills	Acquisition	Application
Behavior	Personal	Social/Community
Building STEM Capital	Personal/Family Acquisition	Community Leadership
Career Path Activation	Acquisition	Application

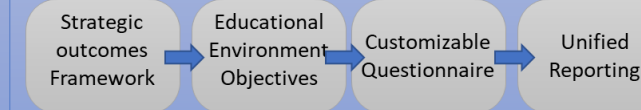
To function within a planning and evaluation system:

ISEE System

Voices & Choices Planning for Self-Determination

- Alignment with Mission
- Program Initiation Design & Planning
- Promotion & Distribution
- Program Implementation
- Program Evaluation

Unification tools for strategic outcome based program design and evaluation



The value:

- Parses learning outcomes to realistically reflect contact time and experience
- Qualitative dimensions to existing categories
- Focuses program planning
- Provides overview of institutional educational intentions
- Promotes dialog about program design
- Builds evaluation capacity
- Builds practitioner capacity
- Aids in strategic planning
- Aids in communication to and collaboration with stakeholders

The challenges:

- How to structure STEM learning while challenging and desettling the nature of STEM learning.
- Where in the framework do we locate:
 - Transformational agency;
 - Social justice issues and system change
 - STEM Identity and literacy
 - Individual and Community-level social issue impact
 - STEM activity for the greater good
- How to avoid “blindspots” and encourage constructivist learning and creative programming?
- How to make ISI learning outcomes meaningful and relevant across the full diversity of audiences.

Next Steps: Pilot testing the ISEE System; framework revision; user manual



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