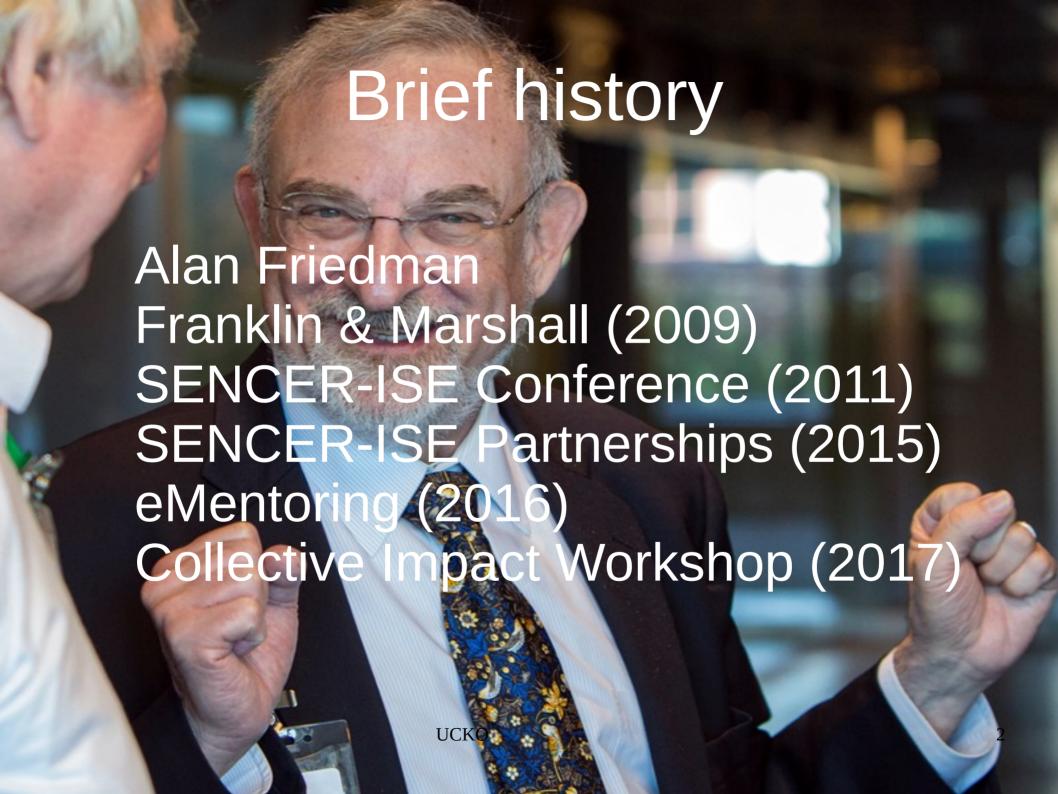
SENCER-ISE

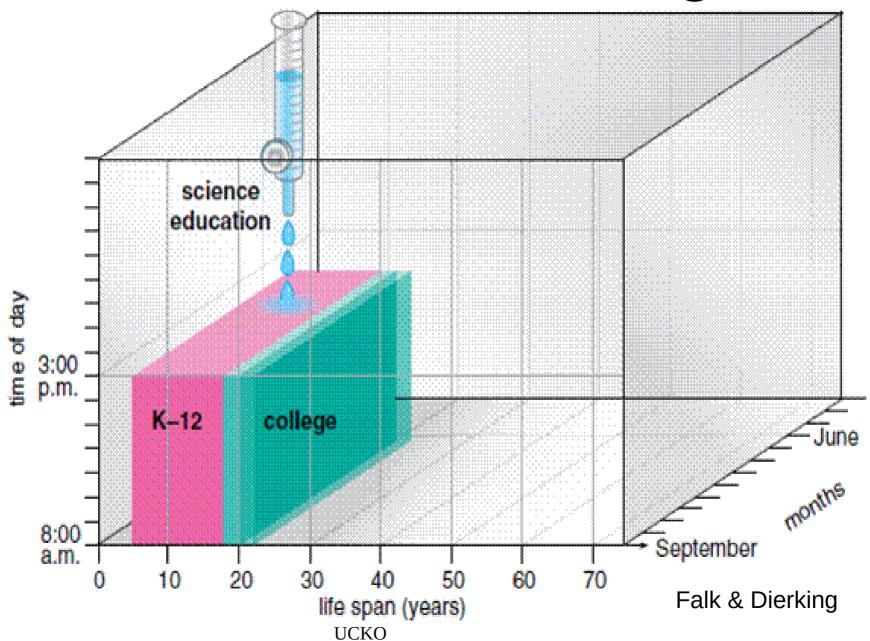
David Ucko Museums+*more* LLC



Overview

- 1. Informal learning
- 2. Connections to SENCER
- 3. Formal-informal partnerships
- 4. New proposal concept

Informal Learning



Compulsory

Content focus

School-based

Children/youth

Set time

Extended time

Voluntary

Learner focus

Ubiquitous

Any age, lifelong

Any time

Brief, episodic

Peer group Various

Assessment No tests

Teacher Self-directed

Cognitive Affective

Extrinsic Intrinsic

Transmission

Lecture

Favored style

Serious

Goal-focused

Constructivist

Experiential

Flexible

Enjoyable

Exploratory

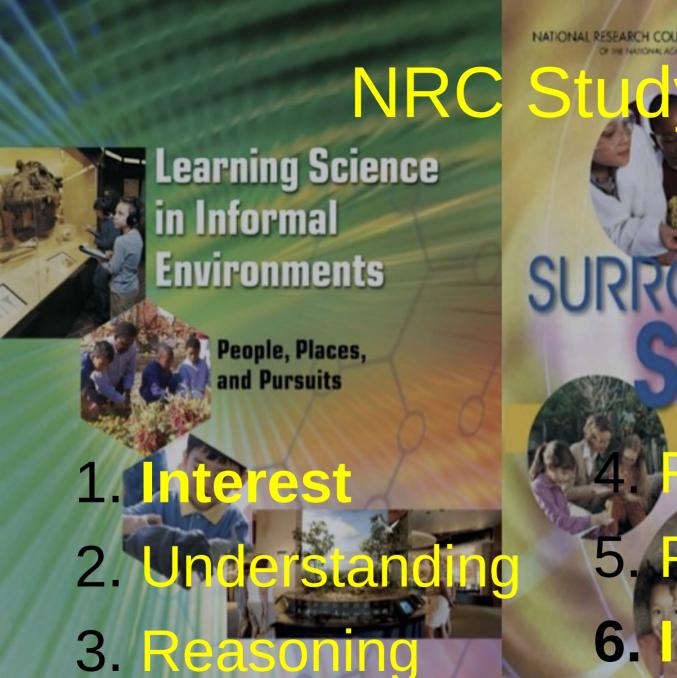
"Push" "Pull"

Constrained Open-ended

Set content Any content

Disciplinary Interdisciplinary

Disconnected Relevant



NATIONAL RESEARCH COUNCIL

UCKO

NATIONAL RESEARCH COUNCIL SURROUNDED BY **Learning Science in Informal Environments** Reflecting 5. Practice 6. Identity Carilyn Fenichel Heidi A. Schweingrut

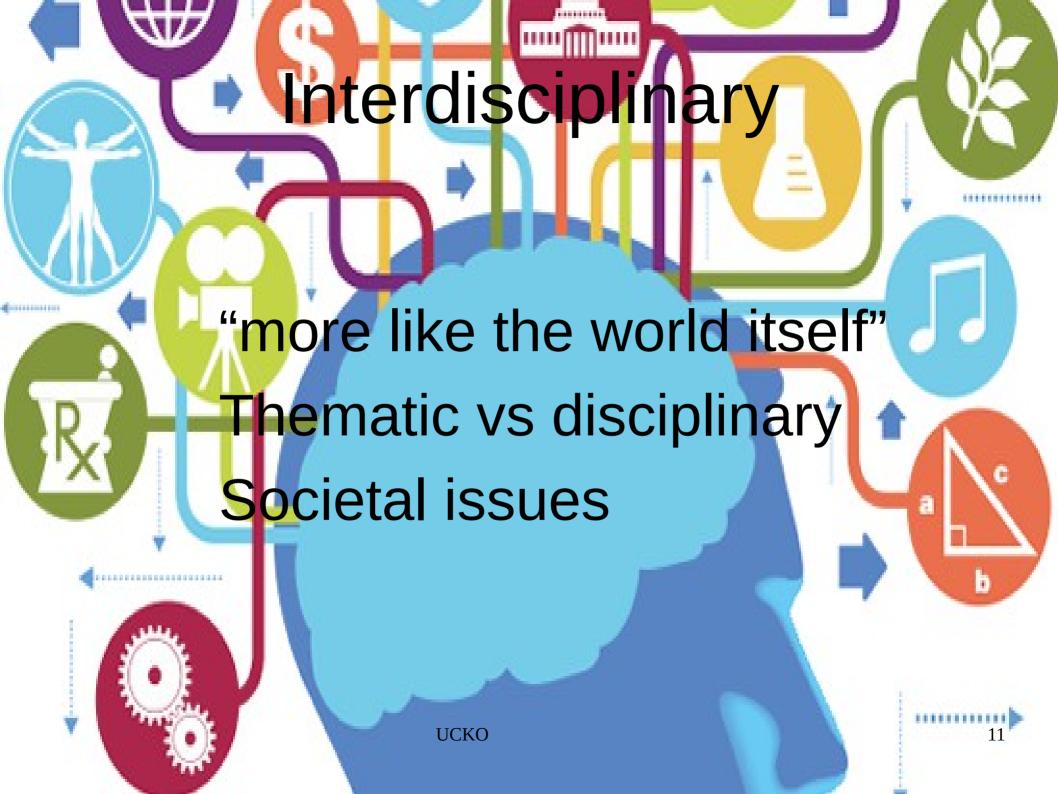
Relevance

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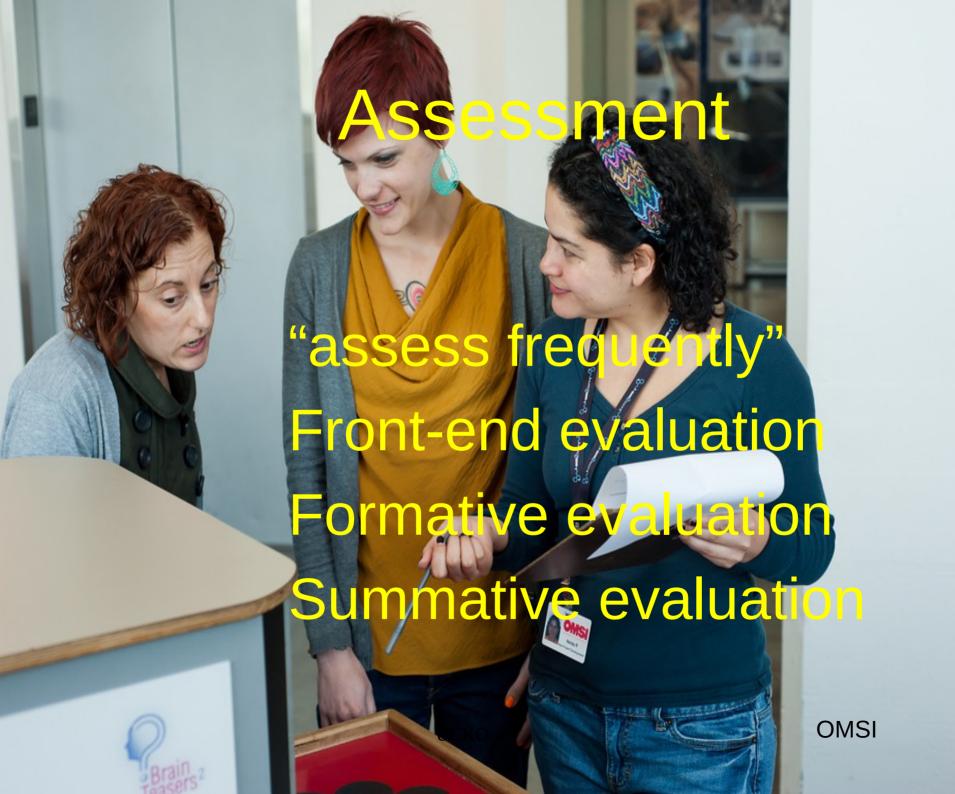
"real, relevant & of vital interest"

Intrinsic motivation-

Authenticity







SENCER-ISE

Higher Education Partner	ISE Partner
Antioch College	Glen Helen Outdoor Education Center
Brooklyn College-CUNY	Gateway National Recreation Area
Cornell University	Sciencenter
Fordham University	Wildlife Conservation Society
Hamilton, Hope & Oberlin College	Green Science Policy Institute
New Mexico EPSCoR	New Mexico Museum of Natural History & Science
Paul Smith's College	The Wild Center
Raritan Valley Community College	New Jersey Audubon Society
St. Mary's College of California	Lindsay Wildlife Museum
University of Connecticut	Connecticut Science Center

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Successful Partnerships

- Common goals
- Clear roles & responsibilities
- Organizational support
- Sufficient Time
- Action/evaluation plans
- Regular communication

eMentoring (IMLS)

Higher Education Partner	ISE Partner
Eastern Michigan University	Ann Arbor Hands-On Museum
Lincoln Memorial University	Abraham Lincoln Library & Museum
Rider University	Stony Brook Millstone Watershed Assn
Towson University	National Aquarium
Wheelock College	Charles River Watershed Assn

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Summary

Through a focus on civic issues, the SENCER-ISE initiative leverages synergies between Higher Education Institutions and Informal Science Education organizations to foster STEM learning and public engagement.

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Discussion

Your thoughts?

Suggestions?