Designing Projects for Sustainability

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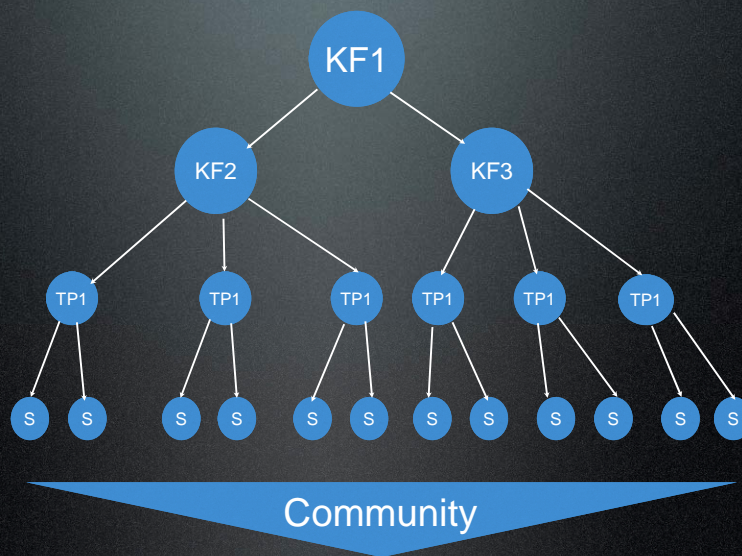North Carolina State University

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Problem

- OST STEM programs face serious challenges in sustaining the impact of their programs beyond the life of a grant. The challenges include the congruence between the curriculum and instructional methods used in OST versus in-school programs; state and local education policies; connections among OST programs, businesses, universities, and community organizations; and the gap in time between students' involvement in an OST program and when they enter college or the working world. This session asks participants to delve into how the design and implementation of a program and the nature of the research and evaluation conducted during implementation can be tools for sustained program impact.
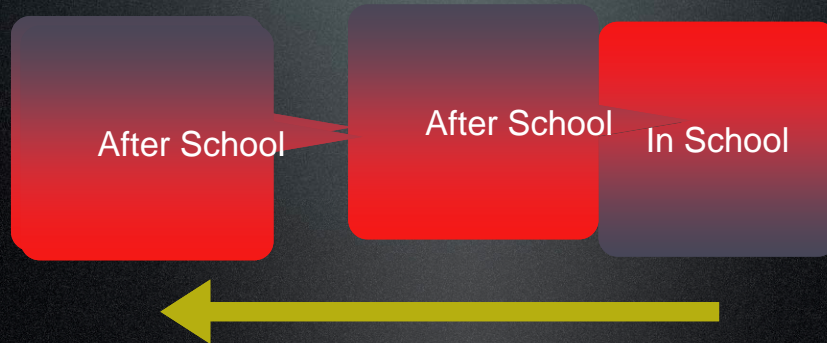
Our Project(s)

- HI FIVES-ITEST Comprehensive

- Infusing STEM based video game creation after school/summer to in school standards

- GRADUATE-ITEST strategies

- Infusing STEM based video game creation after school/summer with in school and community

Cascading Leadership Model

Donor-Bridge-Acceptor

Donor

- Summer academies
- Academic year workshops
- Community mentors

Acceptor

- Games designed to align with STEM content standards

- Curriculum development

- Adapt vs. Adopt

- Informs donor

- Continues the cycle