

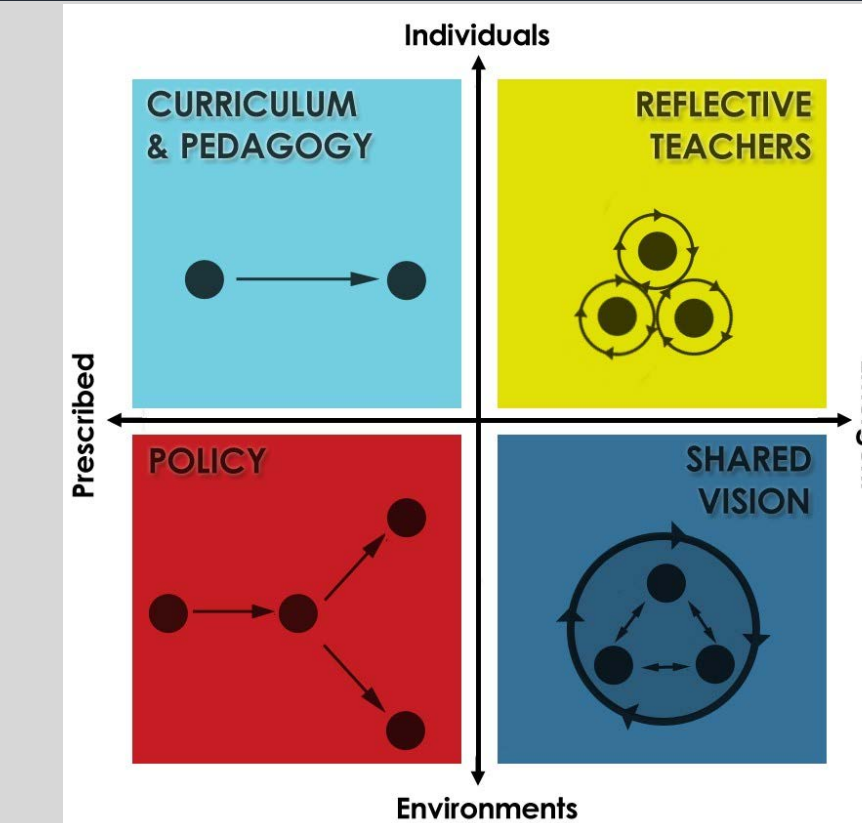


WESTERN MICHIGAN UNIVERSITY
Center for Research on Instructional Change
in Postsecondary Education

CRICPE

A RESEARCH-BASED FOUNDATION FOR CHANGE INITIATIVES USING INSTRUCTIONAL DEVELOPMENT TEAMS

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ABSTRACT

This project will identify and categorize the current team-based approaches to instructional change and connect their practices with organizational and change theory.

BACKGROUND

Many recent grant-funded instructional improvement projects (e.g., AAU's STEM initiative, NSF WIDER and IUSE, HHMI Undergraduate STEM program) are engaging teams of faculty, graduate students, and post-graduate researchers to collaboratively redesign content and instructional approaches in STEM undergraduate courses.

We need a better understanding of how they best work for particular goals and outcomes, what kind of leadership and facilitation is necessary keep them vital and on-task, and what kinds of relationships, communication, and collaborative work are necessary for them to reach their goals.

GOT TEAMS?

PROJECT GOALS:

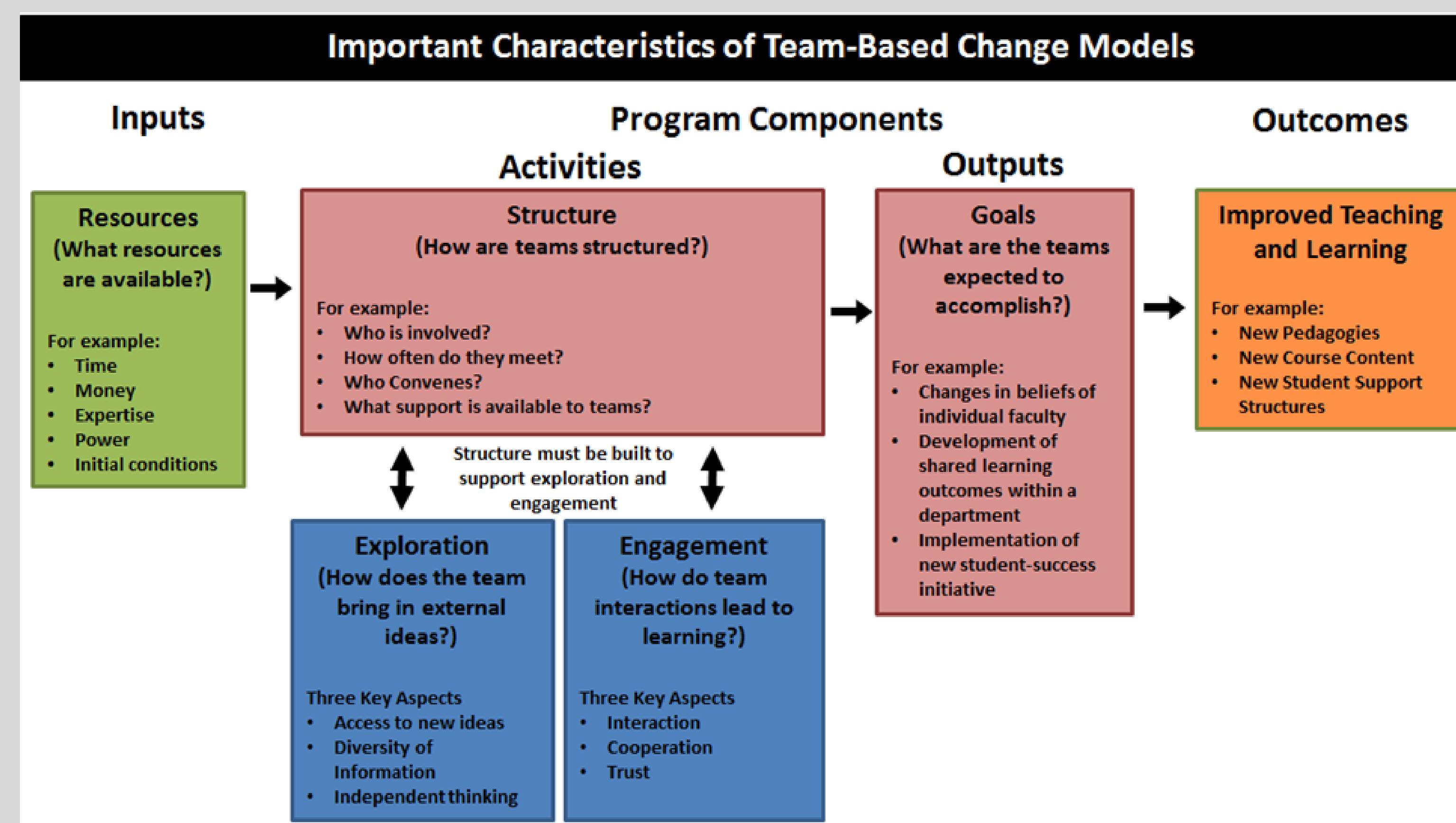


- Develop a national census (through surveys) of projects using team-based approaches to change/improve undergraduate STEM instruction. Conduct interviews with key informant for programs to develop a description of the structure, goals, evidence of success, etc. for each program.

- Use census results to develop a small number of categories that can be used to distinguish between important features of team-based approaches to change.

- Connect categories of team-based change strategies to the existing literature and develop hypotheses about elements of change strategies that are likely to lead to success or lack of success.

PROJECT FRAMEWORK:



(Adapted from Pentland, 2014)

RESEARCH QUESTIONS

1. How and in what ways do team-based change models best support prescribed and emergent change strategies for undergraduate STEM instruction?
2. What current or new theories explain the successful implementation of team-based change models in this context?

HOW YOU CAN HELP

If you are using teams in your institution or know of other projects using teams, we'd like to know!

Look for preliminary results in 2017-18.

CONTACT

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