



BE STEM and the STEM PUSH Network

On behalf of BE STEM & STEM PUSH:

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BE STEM and the STEM PUSH Network

**BE STEM – The Broadening Equity in
STEM Center**

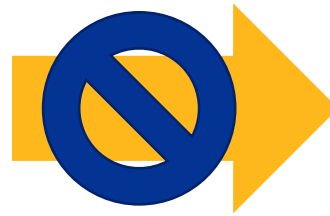
**STEM PUSH – Pathways for
Underrepresented Students to Higher Ed**



**(Re)imagining equitable pathways
to higher education.**

Racial and Ethnic Underrepresentation in STEM

Pre-College STEM Programs



Higher Ed STEM



NSF INCLUDES Early Results



NSF INCLUDES DDLP:
Diversifying Access to Urban
Universities for Students in STEM Fields

Pilot Results:

1. PCSPs form an important bridge between urban communities and urban universities
2. Standardized test scores are not predictive of success in STEM
3. Quality Standards for PCSP to Broaden Participation

Quality Standards: Framework for NIC and Accreditation

- Program Goals
- Student Recruitment
- Program Design and Implementation
- Assessment and Evidence of Performance
- Student Services
- College Pathway

Pitt Receives \$10 Million Federal Grant to Boost Racial and Ethnic Diversity in STEM Higher Education

The grant will create a network of pre-college programs with accreditation standards to boost college enrollment for underrepresented students

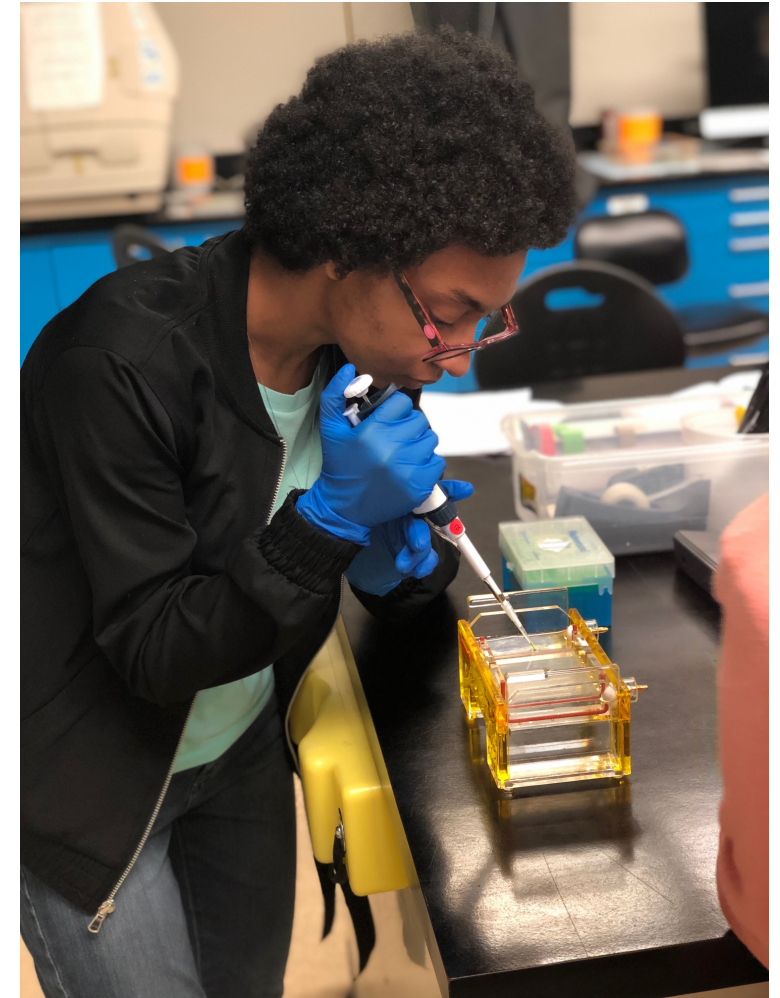


STEM PUSH Vision



STEM PUSH Goals

- Develop a pre-college improvement community
- Develop an accreditation system for STEM pre-college programs
- Provide an equitable, evidence-based metric to higher education institutions to consider participation in accredited STEM pre-college programs for admissions purposes

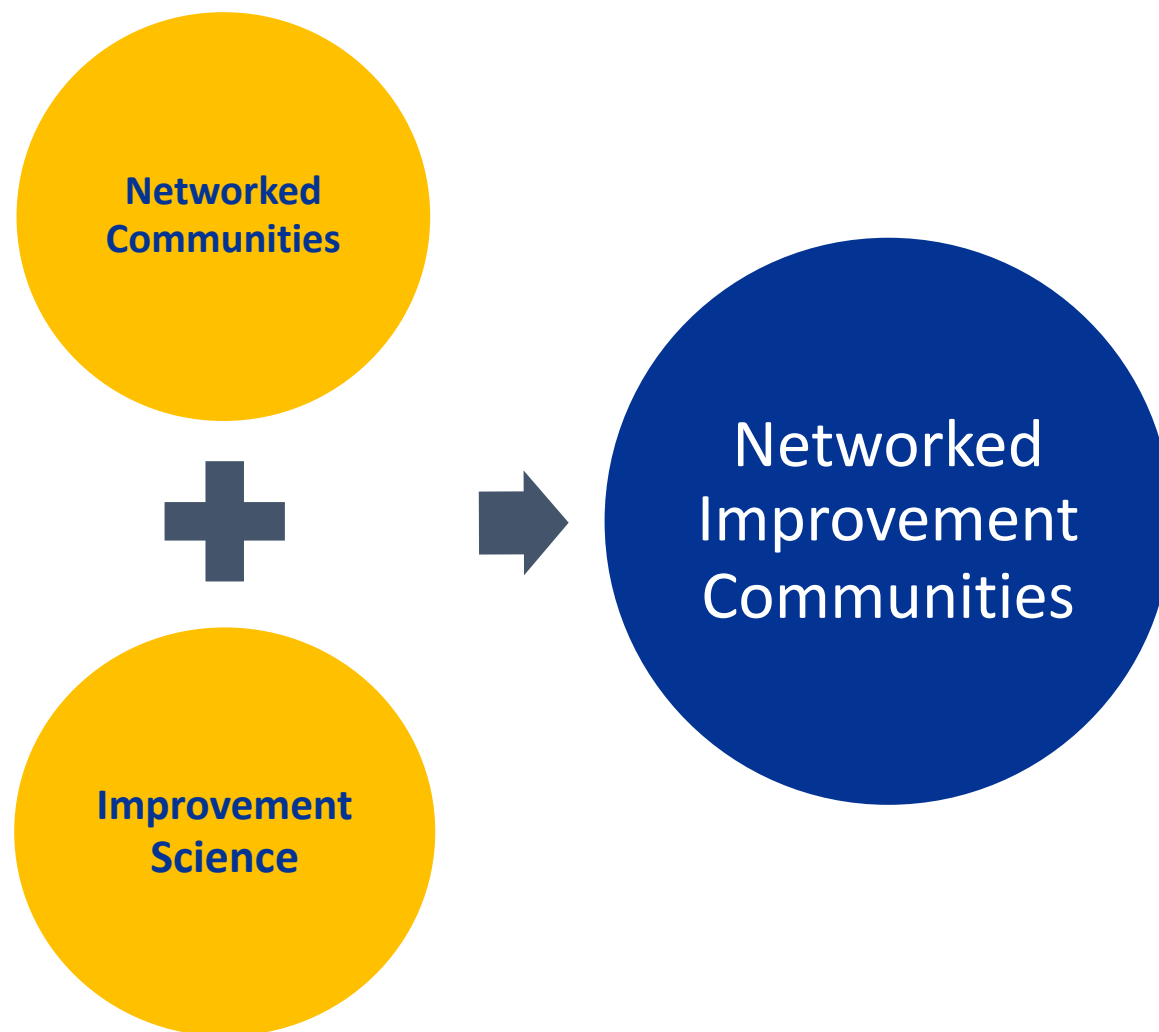


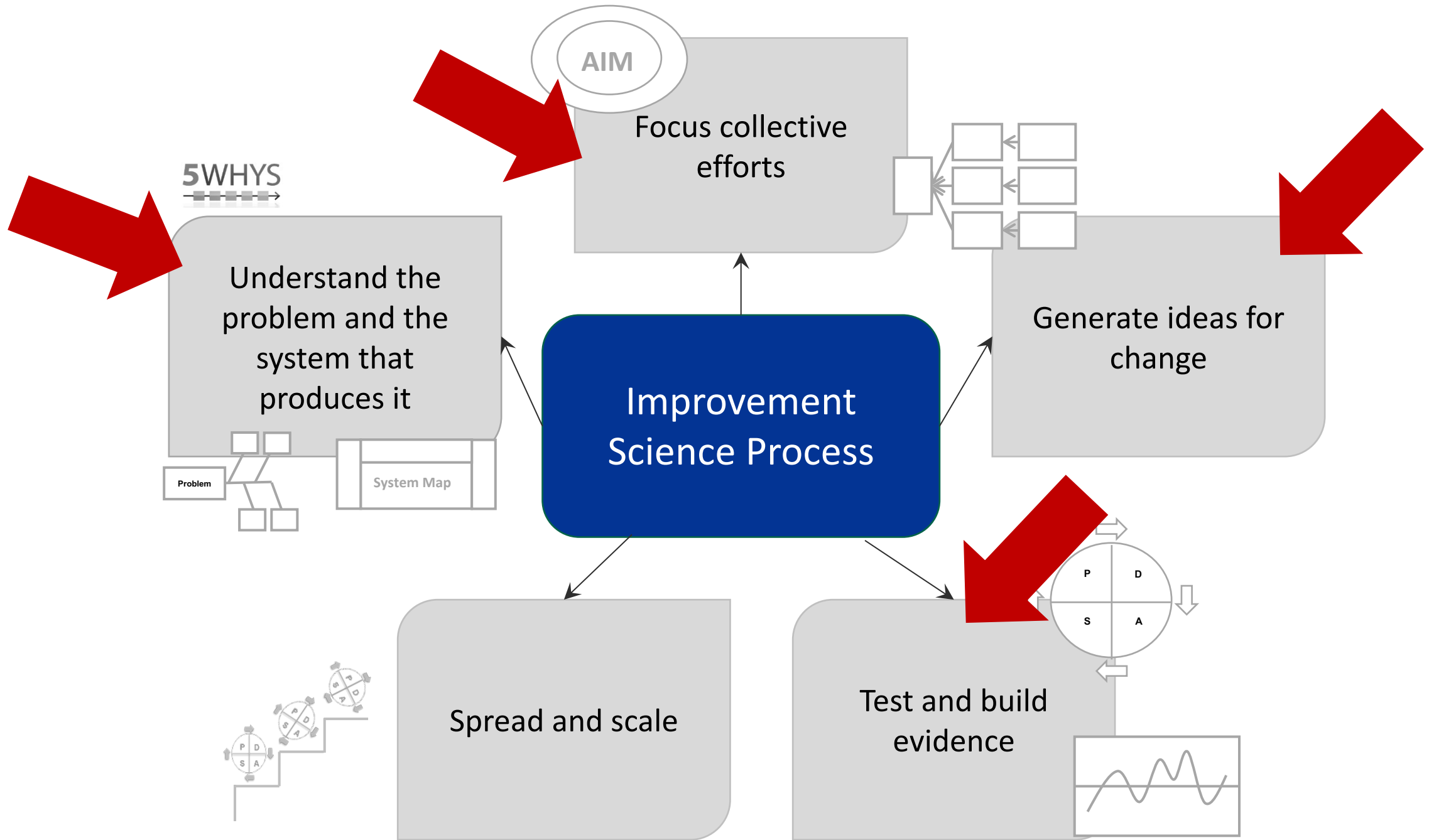
Networked Improvement Communities (NICs)

Integrating Two Big Ideas:

The tools and technologies of
Improvement Science

Joined with
The Power of Networks





- 
- Jen here about the NIC (results?)



STEM PUSH Programs

Portland

- 1 Program

San Francisco Bay Area

- 4 Programs

Los Angeles

- 4 Programs

Phoenix & Tucson

- 5 Programs

Denver

- 1 Program

Kansas City

- 1 Program

Chicago

- 5 Programs

Cleveland

- 2 Programs

Pittsburgh

- 6 Programs

New York City

- 6 Programs

Camden & Newark

- 3 Programs

Philadelphia

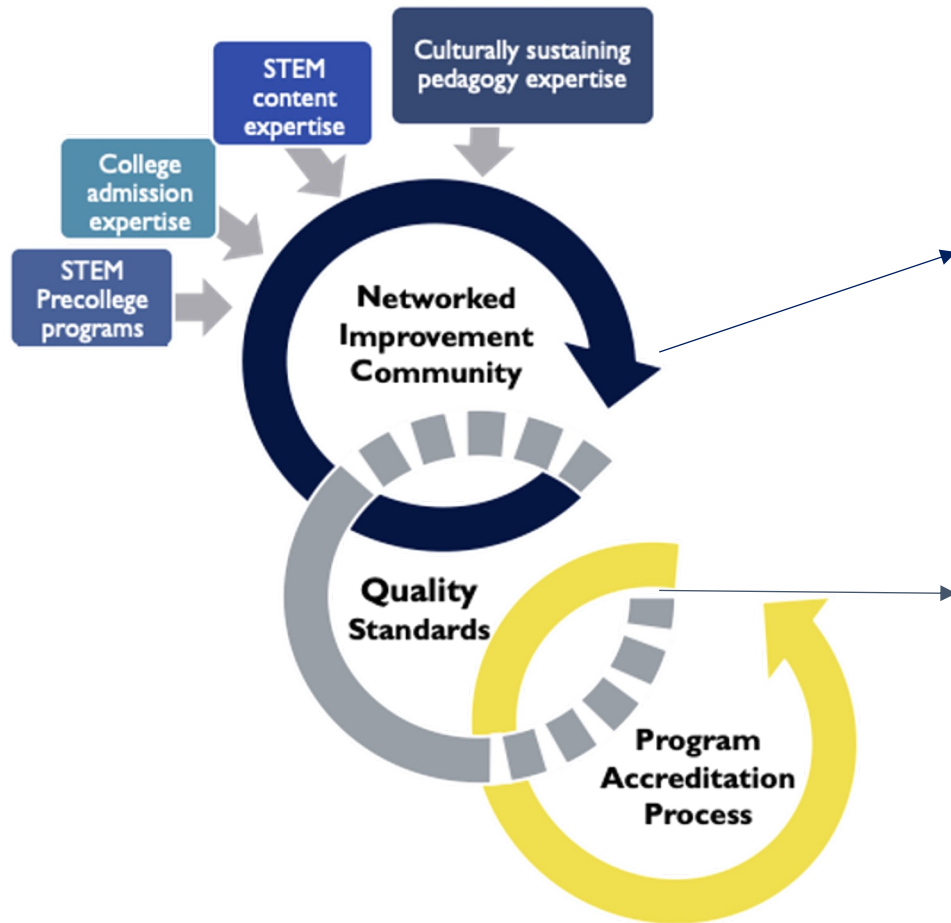
- 1 Program

Broward County

- 3 Programs



STEM PUSH NIC and Quality Standards



- Scientific professional learning community
- PCSPs improve along evidence-based quality standards
- Set of research-based best practices for BP in STEM

- Program Goals
- Student Recruitment
- Program Design and Implementation
- Assessment and Evidence of Performance
- Student Services
- College Pathway

Accreditation Strategy

PCSPs join STEM PUSH



BE STEM directs PCSP self-study



NIC supports PCSP improvement



BE STEM refers PCSPs to MSA

BE STEM awarded candidacy



BE STEM accredited as an LSP



BE STEM/MSA designs a new model for PCSPs that uses Quality Standards framework and centers equity



PCSPs are accredited for broadening participation in STEM



Equitable metric for admissions is created and valued

- 
- Disan slides here about other strategies



Thank you!

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