

Meghan Bathgate | Yale University BLC March 2019

Who we are & what are we doing?

What's so special about supports?

What does it mean for us?

Who we are & what are we doing?



Cognitive Psychologist





Motivation

Engagement

Prior experience

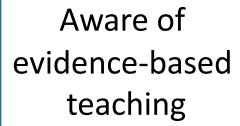
Who we are & what are we doing?

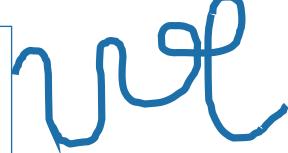
- 1. Become familiar with the evidence showing the importance of supports for evidence-based teaching
- 2. Make evidence-based decisions on how to use these supports to promote effective teaching
- 3. Use this data to inform our own practice

Aware of evidence-based teaching

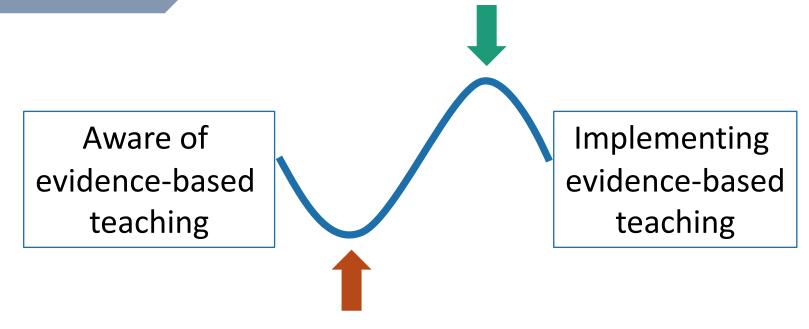
Implementing evidence-based teaching

Aware of evidence-based teaching teaching





Implementing evidence-based teaching



What are the personal and institutional factors that prevent or support evidence-based teaching?

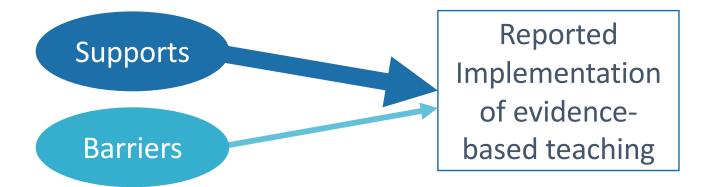
What prevents you from doing so?

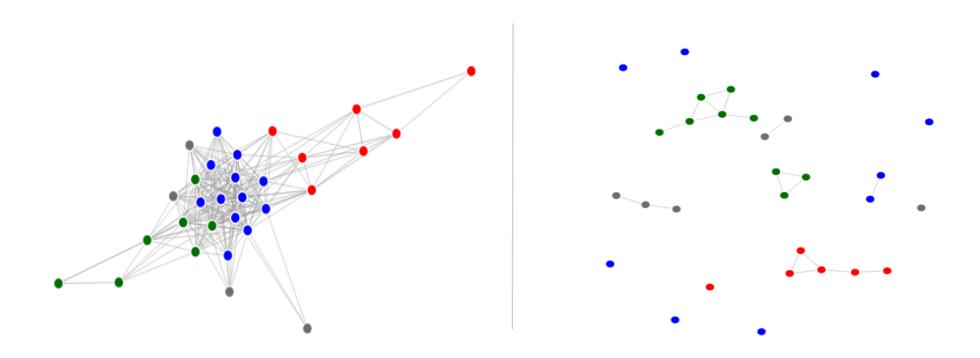
e.g., Shadle, Marker, & Earle, 2017; Michael, 2007; Hora, 2012; Brownell & Tanner, 2015; Herreid & Schiller, 2013; Bradforth et al, 2015

Survey of ~700 faculty

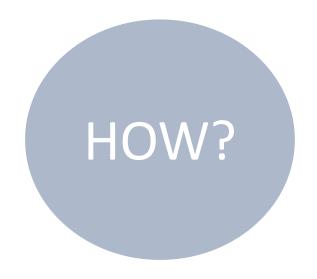
Perceived supports & barriers to evidence-based teaching

Reported implementation of evidence-based teaching





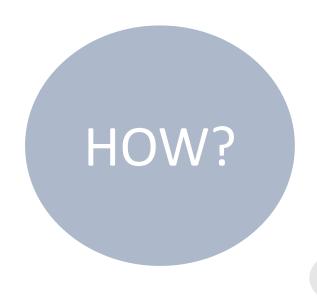
Bathgate, Aragón, Cavanagh, Waterhouse, Fredrick & Graham, In press



Which supports are addressing which barriers?

Are there "super supports?"

Are there "sticky barriers?"



Pre-existing resources

Student resistance

Showing data

Starting small

Student input

Coordinating with colleagues

LEAPS

Leveraging Evidence-based Academic and Personal Supports

GOAL:

Make actionable recommendations based on an empirical network of supports and barriers driven by data from peers.

LEAPS

Leveraging Evidence-based Academic and Personal Supports

Measurement Design

 Team development through previous data, continued evaluation, literature review, talk-alouds, team-testing

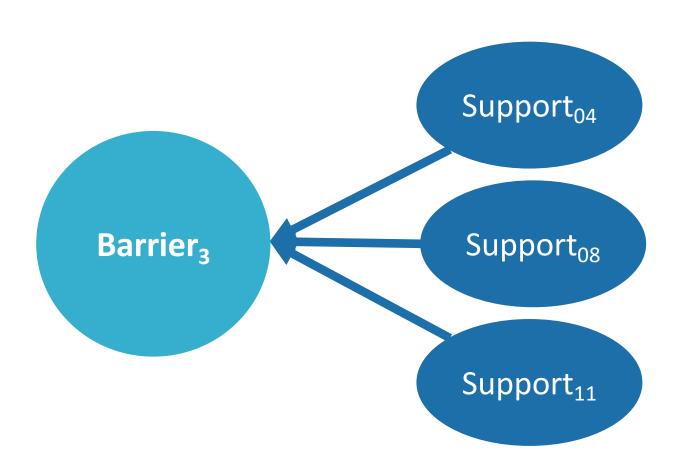
Fall Pilot

Launched to defined audience (~200 response)

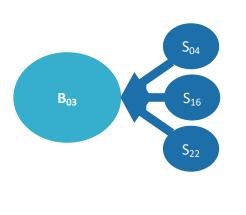
Spring Launch

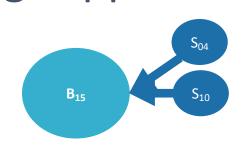
Currently over 500 responses

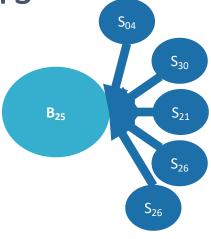


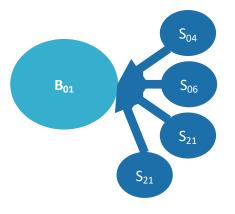


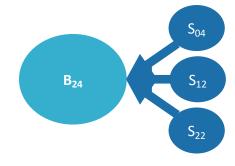
Describe relationship among supports & barriers

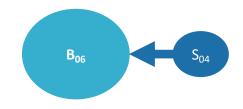




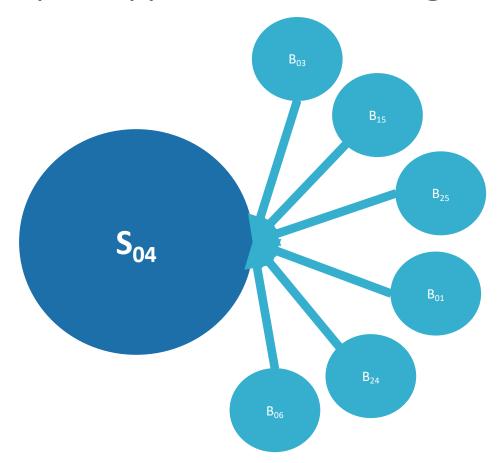




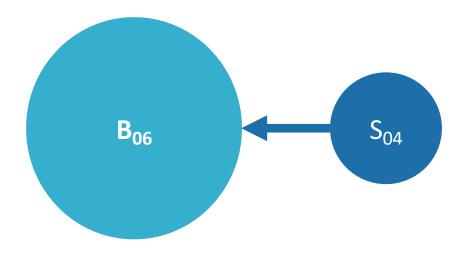




Identify "super supports": Points of high leverage



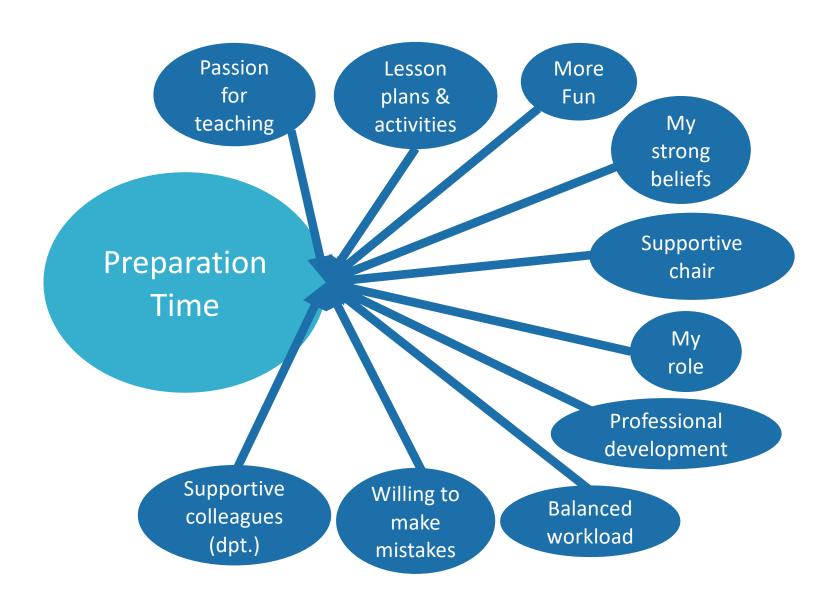
Identify "sticky barriers"

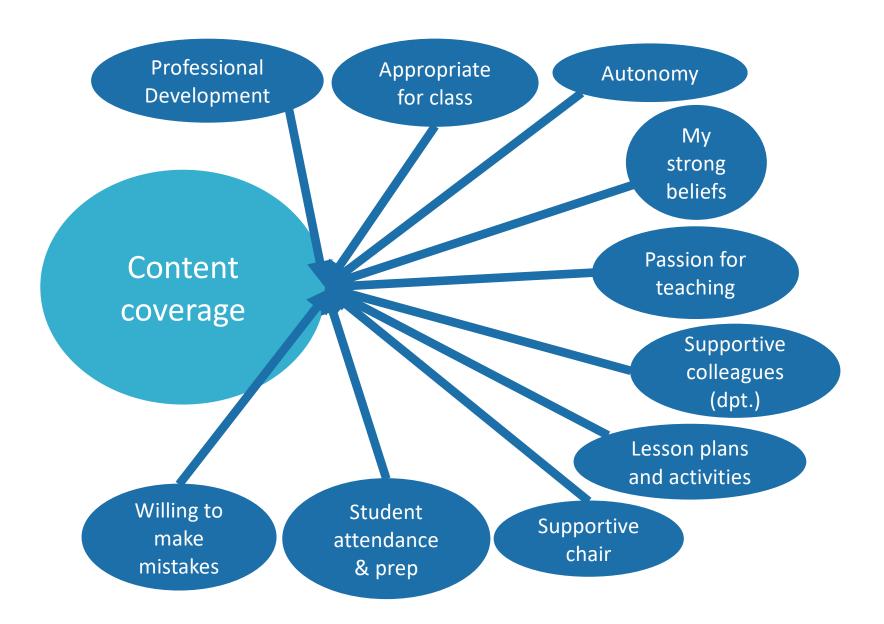


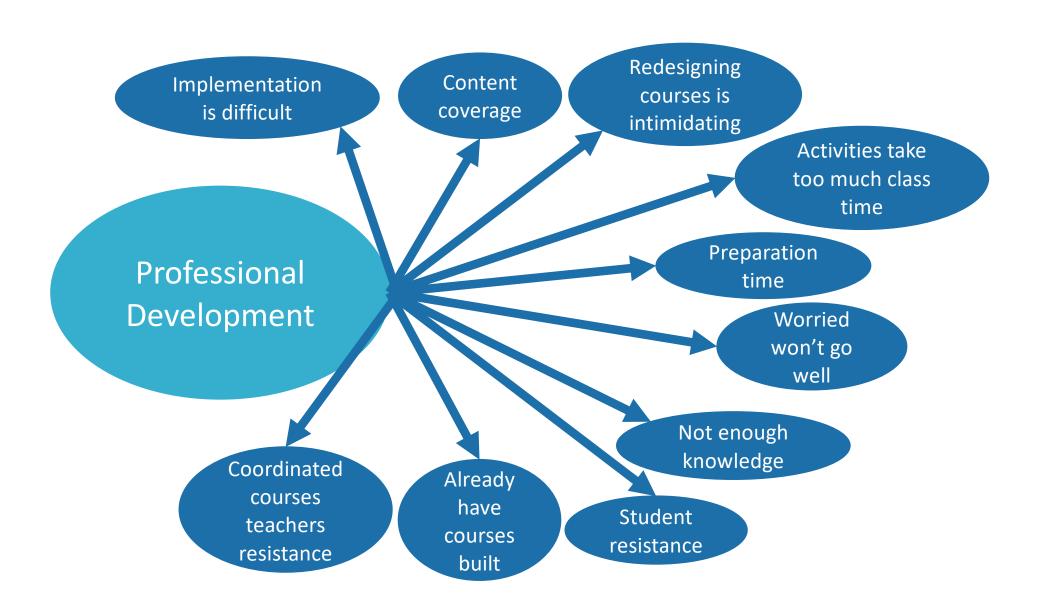
Who we are & what are we doing?

What's so special about supports?

What does it mean for us?







Choose Your Own Adventure Marketplace

- Stand with barrier you'd like to address*
- Dig into data associated with that barrier
- Create your own (individual or group) action plan**

What does it mean for us?

Choose Your Own Adventure Marketplace

Step 1:

- Stand with barrier you'd like to address*
- Dig into data associated with that barrier

What patterns do you see?

Is anything surprising?

Is anything omitted?

Step 2:

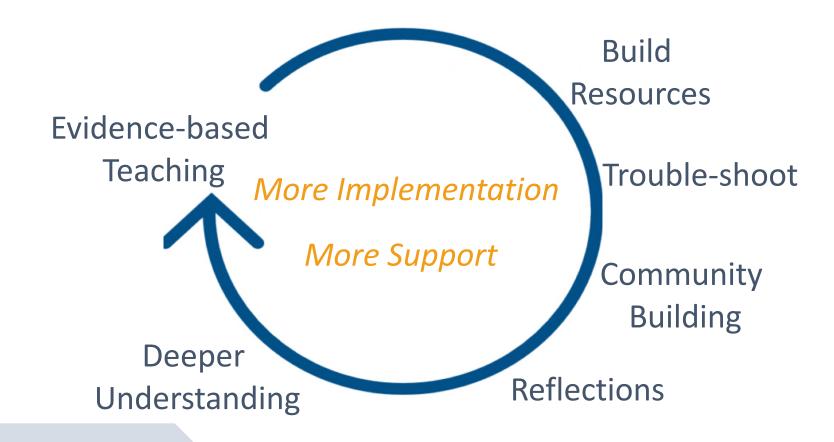
Create your own (individual or group) action plan**

What does it mean for us?

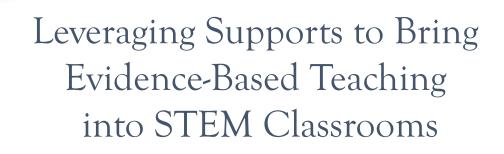
*or barrier that you are interested in or hear often

**can be the barrier you selected or not; I can share

data where possible



What does it mean for us?



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