



# Encouraging STEM Students to Become Teachers: Summer Internships and Community Engagement

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## Do Now:

- Make your own license plate
- Choose 7 characters (numbers, letters, etc.) that describe you
- When you are done, share your license plate and the meaning behind your characters



**XAVIER**  
UNIVERSITY

Objective: You will be able to explain the importance of connecting university STEM students with community partners and local high schools by stating one beneficial result of community engagement.



# Agenda

1. Do Now/Objective
2. Overview: Breakthrough Cincinnati
3. Community Partnership
4. Exploring interests in teaching



# Breakthrough Cincinnati

- Four-year summer enrichment program
- 6<sup>th</sup>-9<sup>th</sup> grade
- 6 weeks
- Students teaching students



## Breakthrough Cincinnati

- Over 50% of students meet 3 or more need indicators, including racial/ethnic minorities, qualify for free or reduced lunch, first in family to attend college, single parent household, English as a second language
- All students are high achieving
- Application process



# A Day at Breakthrough

- Good morning and breakfast
- Two core classes
- ASM!
- Two core classes
- Advisory
- Recess and lunch
- Two academic electives
- Mini course
- Goodbye



# STEM in the Community

- Summer internship
- Super Saturdays
- Tutoring
- Noyce scholarship





# Courtney Garside

- Sophomore
- Biology/HAB major
- Boston, MA
- Teaching fellow at Breakthrough Cincinnati, Summer 2015



# Veronica Lawrence

- Junior
- Mathematics major, Professional Education and History minors
- Georgetown, OH
- Teaching fellow at Breakthrough Cincinnati, Summer 2015
- Noyce Scholar



# Abigail Moninghoff

- Junior
- Mathematics major, Professional Education minor
- Bethlehem, PA
- Teaching fellow at Breakthrough Cincinnati, Summers 2014-2015
- Noyce Scholar

# Darci Meiners

- Current teacher at Hamilton High School
- Chemistry
- Cincinnati, OH
- Teaching fellow at Breakthrough Cincinnati, Summer 2013
- Noyce Scholar



# Exit Ticket

- Take a post-it note
- Write one benefit of engaging students from the community in STEM programming