STEM SCHOOL STUDY

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RESEARCH & EVALUATION

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Research Questions

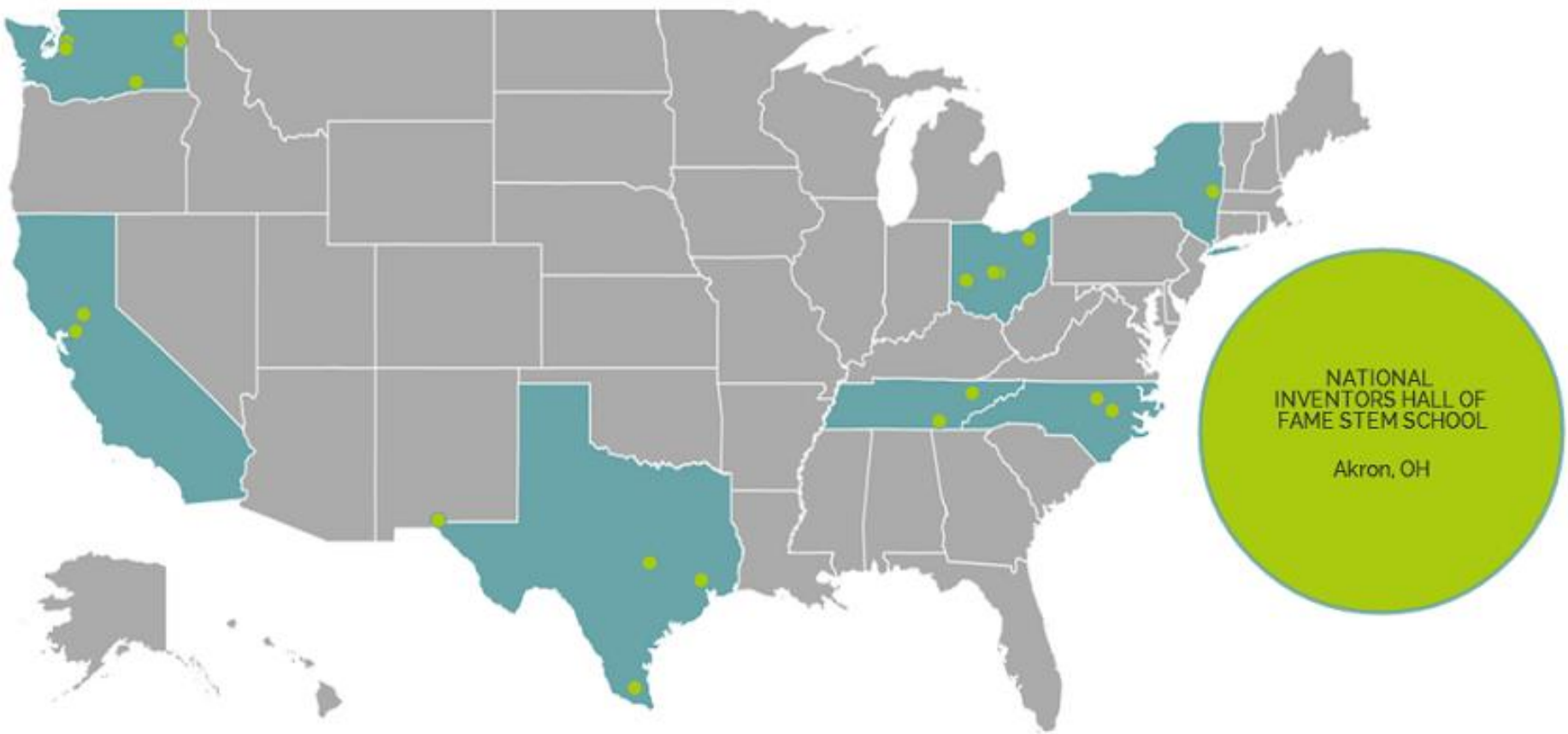
What are the intended components of each inclusive STEM school's model?

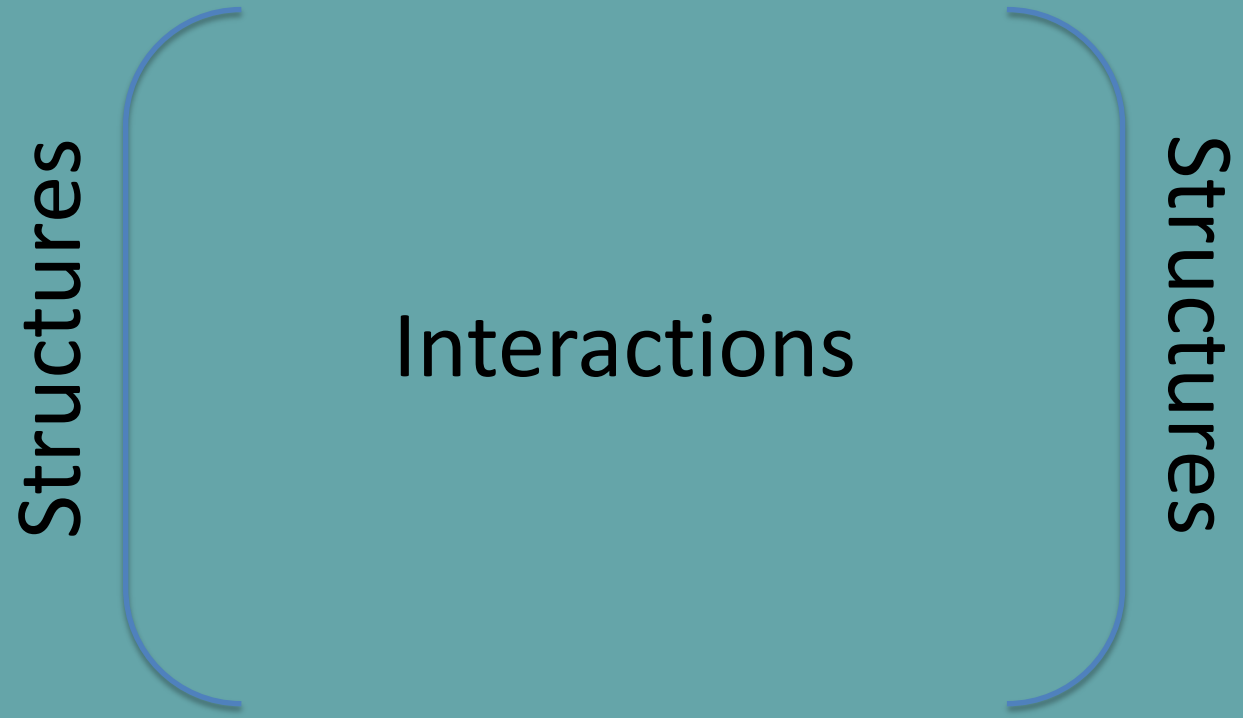
What is the status of implementation of the intended components?

What factors (contexts and conditions) contribute to and inhibit implementation?

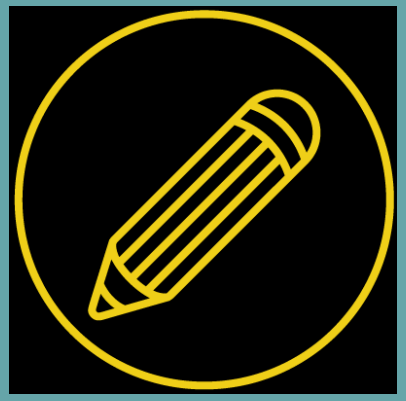
What components are most closely related to desired student outcomes in STEM schools?

STEM SCHOOL STUDY





Identifying and Classifying the components of Inclusive STEM High Schools



Personalization of Learning

Problem-Based Learning

Rigorous Learning

School Community & Belonging

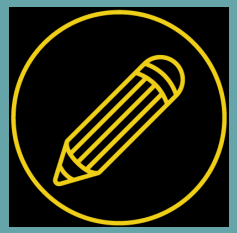
Career, Technology, & Life Skills

Staff Foundations

External Community

Essential Factors

Staff Foundations



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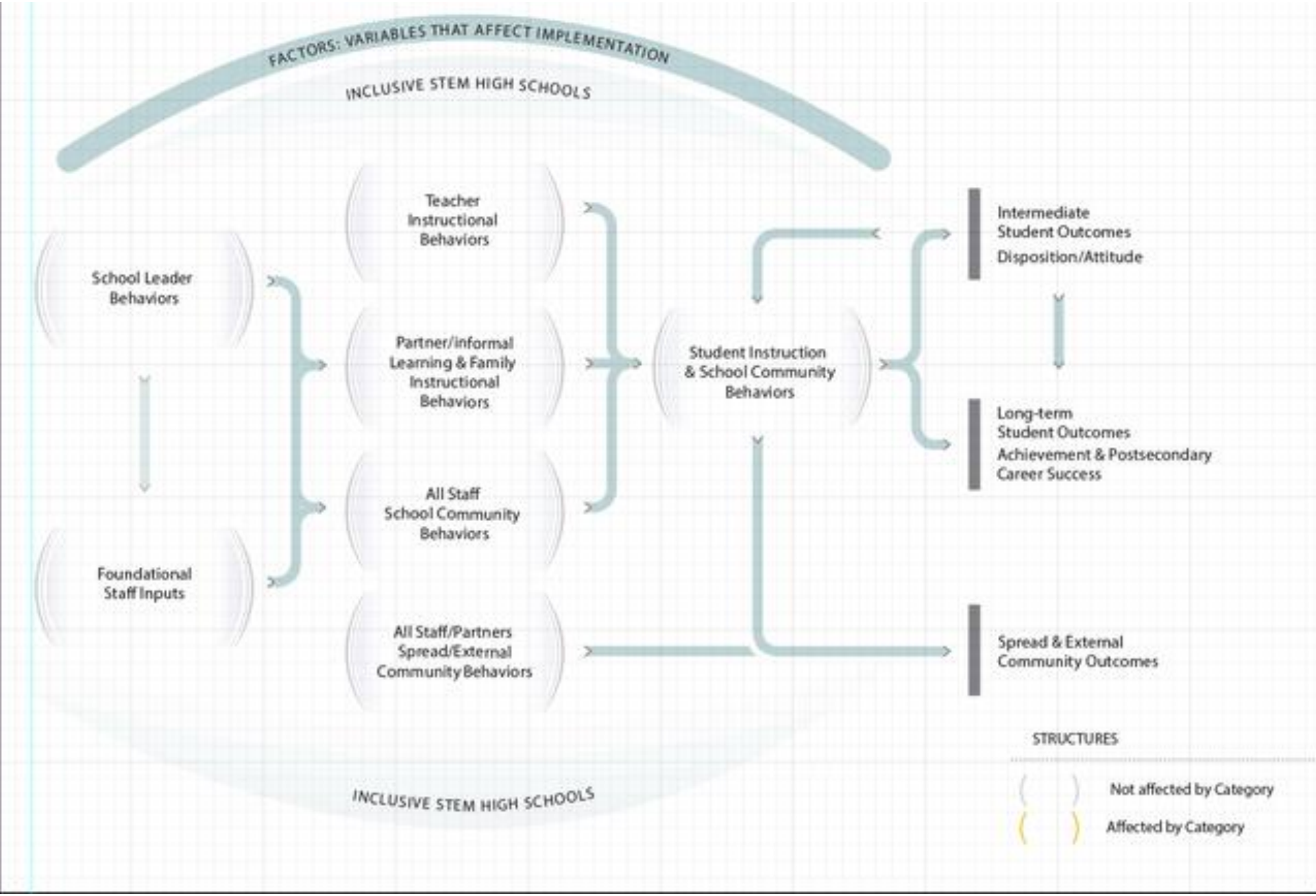
FACTORS: VARIABLES THAT AFFECT IMPLEMENTATION
INCLUSIVE STEM HIGH SCHOOLS
School Leader Behaviors
Foundational Staff Inputs
Teacher Instructional Behaviors
Partner/Informal Learning & Family Instructional Behaviors
All Staff School Community Behaviors
All Staff/Partners Spread/External Community Behaviors
Student Instruction & School Community Behaviors
Intermediate Student Outcomes
Disposition/Attitude
Long-term Student Outcomes
Achievement & Postsecondary Career Success
Spread & External Community Outcomes
INCLUSIVE STEM HIGH SCHOOLS
STRUCTURES
Not affected by Category
Affected by Category

STEM SCHOOL STUDY

Outlier.uchicago.edu/s3

Melanie LaForce
laforce@uchicago.edu

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