creating new thinking spaces for students











creating new thinking spaces for students

creating new thinking spaces for students & teachers

*ENLIGHTEN *EMPOWER * NPACT

WHO WE ARE







Dr. Paul Fregeau Superintendent Sam Johnson, AIA LEED AP, REFP Principal Rachel Emmons Data Analyst

*ENLIGHTEN EMPOWER IMPACT

MASLOW'S HIERARCHY OF NEEDS



AESTHETIC NEEDS

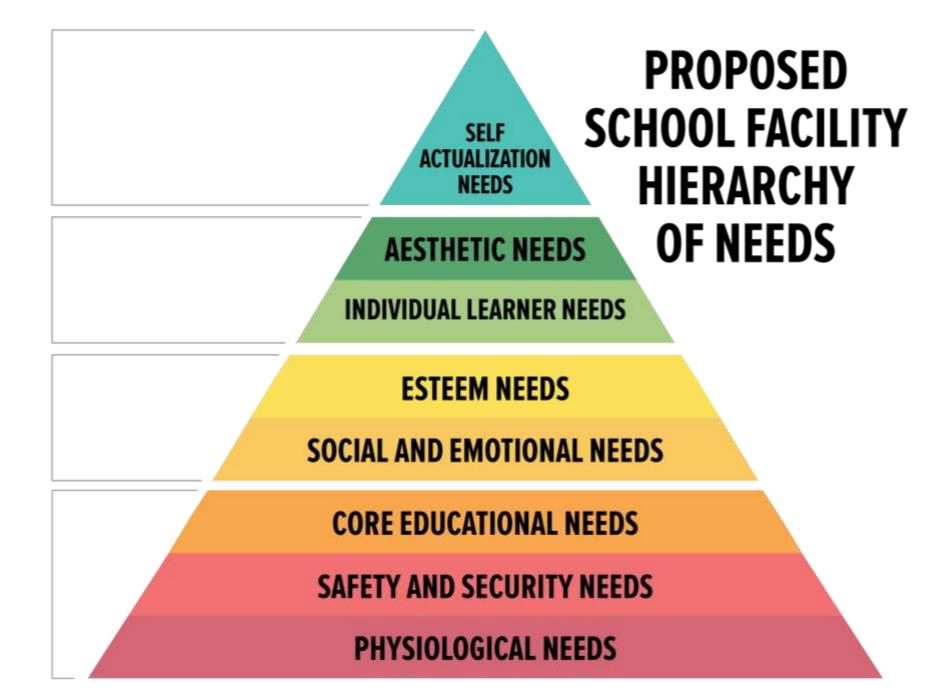
COGNITIVE NEEDS

ESTEEM NEEDS

BELONGING AND LOVE NEEDS

SAFETY AND SECURITY NEEDS

PHYSIOLOGICAL NEEDS



OUR STRATEGIES



ONE:

We will ensure unique, innovative learning experiences for <u>all</u> students.

TWO:

We will ensure a student-focused environment that expands learning beyond the traditional expectations to engage students.



THREE:

We will establish a support network that will identify and address students' physical, social/emotional, and mental health needs to allow each student to reach their <u>full</u> potential.

FOUR



We will attract and retain talented and invested staff by ensuring they feel <u>valued and</u> <u>supported</u>. We will create and foster mutually beneficial relationships <u>throughout</u> the community.

LEARNING EXPERIENCES:

- Relevant, innovative personalized academic pathway that promotes passion and pride
- A learning environment that fosters curiosity and the thirst for achievement and discovery
- Commitment to the whole person resulting in student growth and confidence

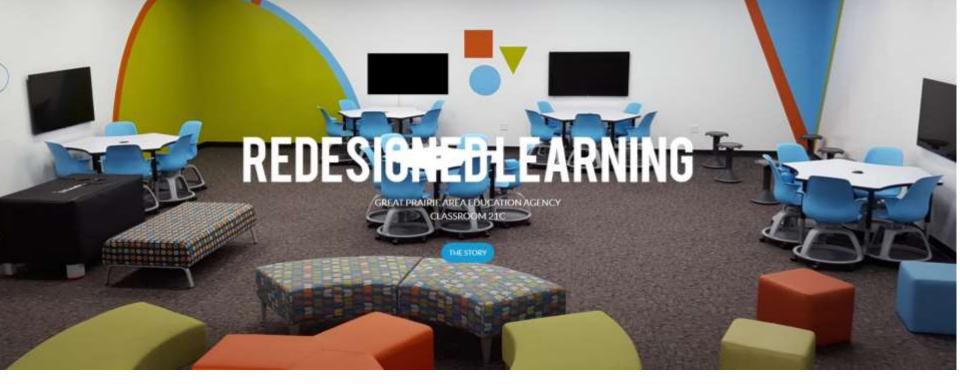
STRATEGIC OBJECTIVES

- Each student will engage in complete learning experience that develops the whole person and fully prepares them for their future
- Each student will explore and develop their emerging talents and interests to fulfill their unique potential and live it with passion, courage and confidence

What is a Classroom?

Dovey and Fisher (2014)

Imms, Mahat, Byers & Murphy (2017)



The learning space integrates the three tenets of classroom design:

- The classroom furniture must be mobile and flexible
- Each collaboration area must have access to digital display.
- Each collaborative area must have a **writeable surface.**



Dr. Sally Lindgren, Director of Technology and Innovation



Richland Community College

21

12:55

BREAKOUT SPACES

Mid City High School

600

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CREATE

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Charles City Middle School

EC/4

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SOCIAL AND COLLABORATIVE SPACES

Sills, Digby, and Russ (1991)



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Geneseo High School

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PERIPHERAL SPACES

Charles City Middle School

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Mahomet-Seymour High School

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Fall !!

RESTORATIVE SPACES



Social Science & Medicine Volume 159, June 2016, Pages 30-37

Stress contagion in the classroom? The link between classroom teacher burnout and morning cortisol in elementary school students Eva Oberle * A 29, Kimberly A. Schonert-Reichl*

South Shores Elementary School



Garden Hills Elementary School

EXPLORATORY SPACES

Kolb (1984)

Sangamon Valley High School

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1

Bennett Day School

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See.

PLACEMAKING AND INCLUSION

STICKY SPACES

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Charles City Middle Scho

LANA IN TRUTTE



FITNESS TRAIL



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EXERCISE TYPES ON THE THA

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WALK OR RUN TO STATION 1

LOWER BODY STRENGTH

TYPE OF EXERCISE: ANAEROBIC / ISOMETRIC / STRENGTH

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WALK BACKWARDS TO STATION 2

SUNS **Charles City Middle School**

FUSION SPACES

Chester East Lincoln School

1.



CLABORATION COMMITMENT COMPASSION CREATIVITY I EXCELLENCE GENEROSITY HOPE IMAGINATION IMPACTA-INVENTION KNOWLEDGE LEADERSHIP OPPORTUNITY OPTI-RESPECT RESPONSIBILITY TOMORROW TRADITIONS TRAN-UNDERSTANDING VISION VOLUNT EERISM ASPISATION SER-PARTNERSHIP EQUALITY GREAT TSS IDEAS INNOVATION E EXCELLENCE TRADITIONS EMBOYINE T IMPACT STRUCTURE INVENTION OPTIMISM RESPONSIBILITY SPORT TRANSFORMATION TRUST S COMMUNITY COLLABORATION COMPASSION EDUALITY IN TOMORROW PARTNERSHIP EXCELLENCE IMAGINATION WE ARE KNOXVILLE

IPIRATIO

THE AVERAGE

Knoxville High School

ENLIGHTEN *EMPOWER IMPACT

SCHOOL BUS **TEACHER** FACILITY

PRACTICE

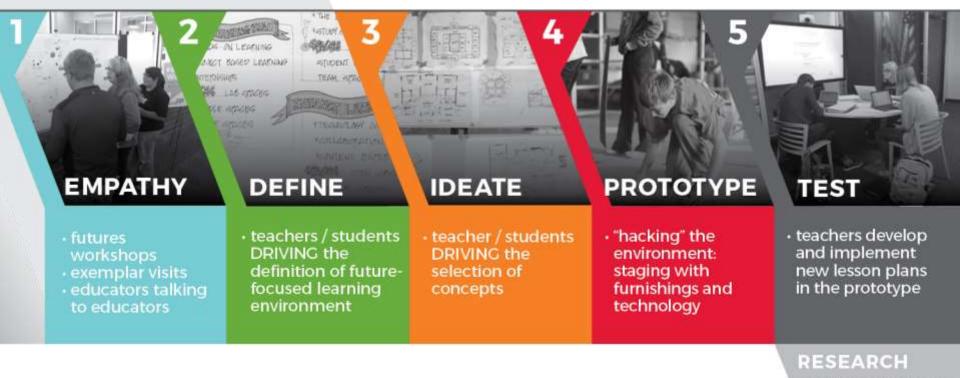
DESIGN

PREP WORK

establish educational leadership team



THINKING BIG Developing our BOLD facility plan.



 quantify effectiveness of design

Building better Opportunities for Learning in Decatur

GOAL: Create facilities that are future-focused and research-based to enhance student outcomes.

- Academies model Middle School program
- Combined Montessori Program
- Fine Arts Integration School
- Standard prototype for elementary design, to be mapped across the district's elementary facilities

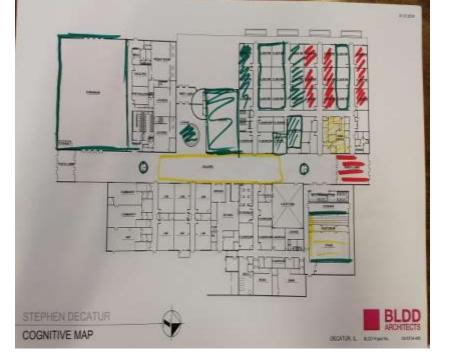


1: futures worksho



Stephen Decatur Middle School





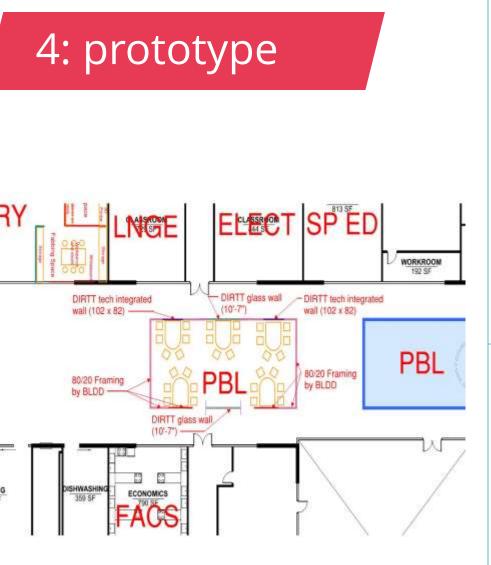
Cognitive Maps and Graffiti Maps with Students

3: ideation

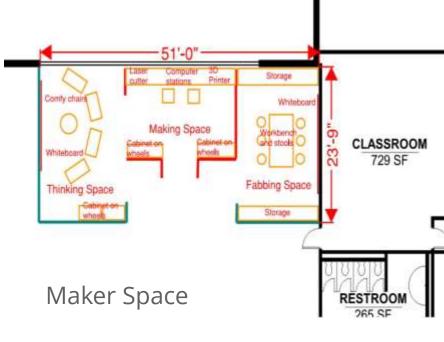


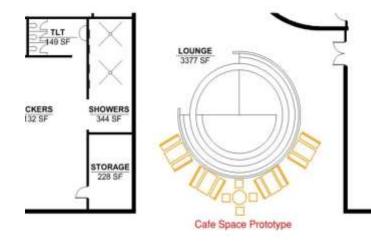






Project Based Learning Classroom





Working Café

GALLERIA

Prototype Video

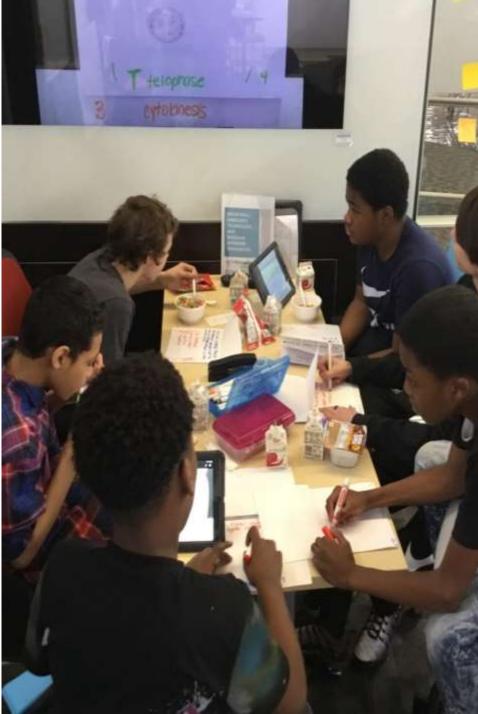


Costitutional force is small











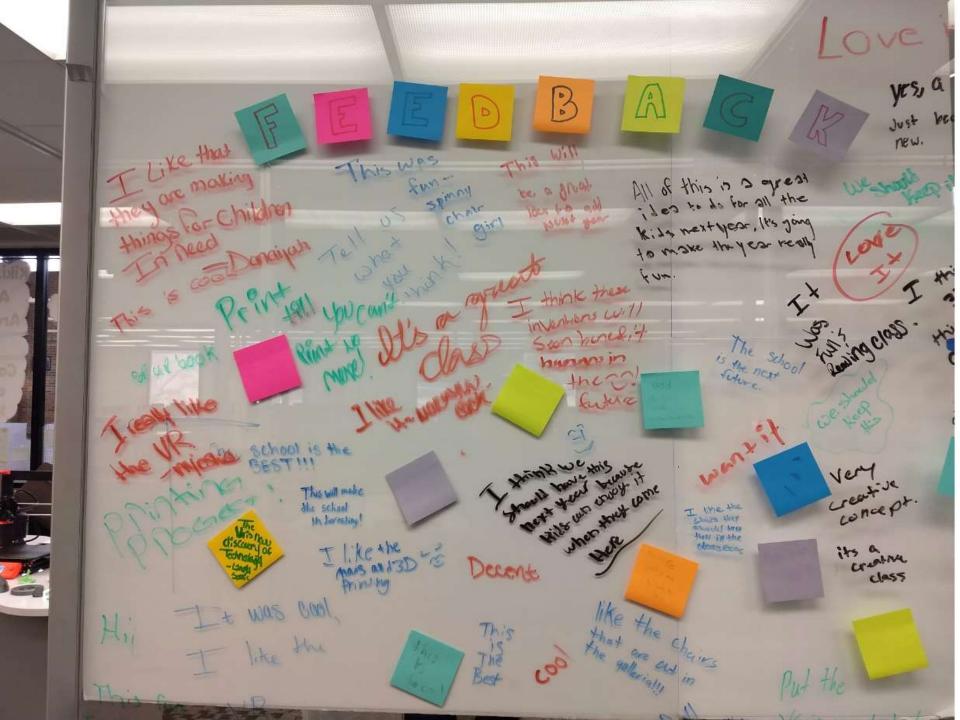
Working Cafe

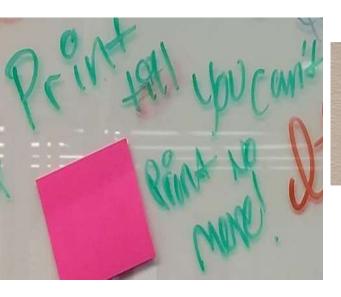
Student feedback





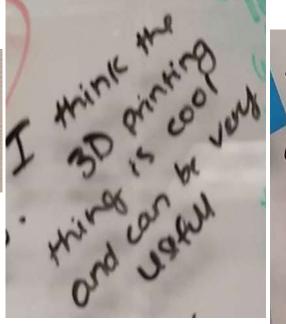






If I weld I'l come to this Form every class.

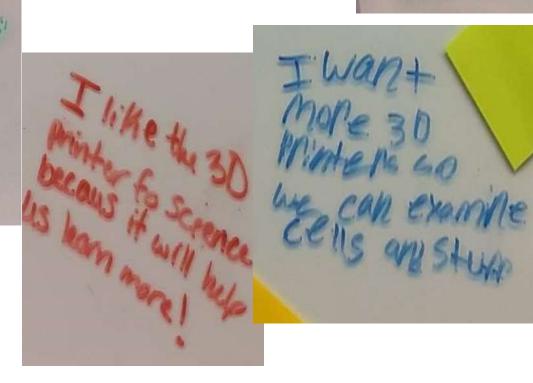




Ven creative concept. its a crosing. class

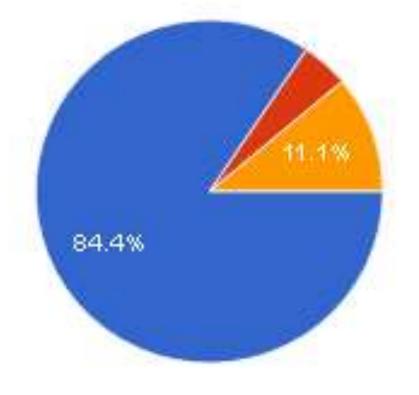
3) Printing in Math Class Would be a more fun and interd chive Way to learn

Maker Space

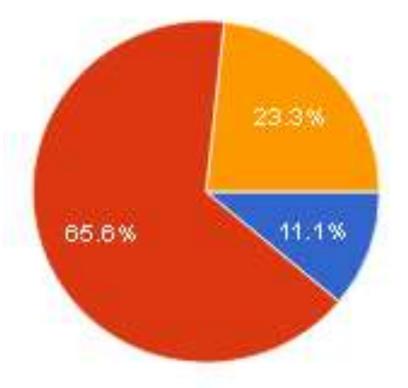


5: test

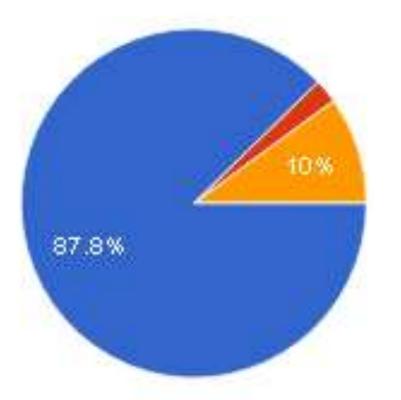
Do you understand how to use these spaces and how they could be used in the future?



Yes No No opinion Which option best describes how you feel students will respond to these spaces next year?



Will not care More excited to come to school No opinion Did the furniture help you feel more focused or more distracted?



More focused More distracted No opinion Were the clear walls in classrooms distracting or did you like being able to see what was going on outside these spaces?

57.8%

I liked them

Distracting

No opinion



WCIA video



BLDD Project 186EX16.406 No.

ENLIGHTEN **EMPOWER** * PAC

CHARLES MIDDLE SCHOOL

Alyssa Kruger @akruger91 · Sep 8 When it's too nice out to be inside, we read on the balcony. They were begging to do it again next week. #cultureofreaders #8thgradersdoread

111

199



Pair Share

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First Later, Whit sukes he survey hydrogen " names in he survey shows a year application array

Dr. Dan Cox @DanCoxPhD · Aug 14 Ts and admins from @CharlesCityCSD and New Hampton learning #PBL from @hightechhigh staff. #CCEdFuture #WeAreCC





COLLETS TREEHOUSE TIME

















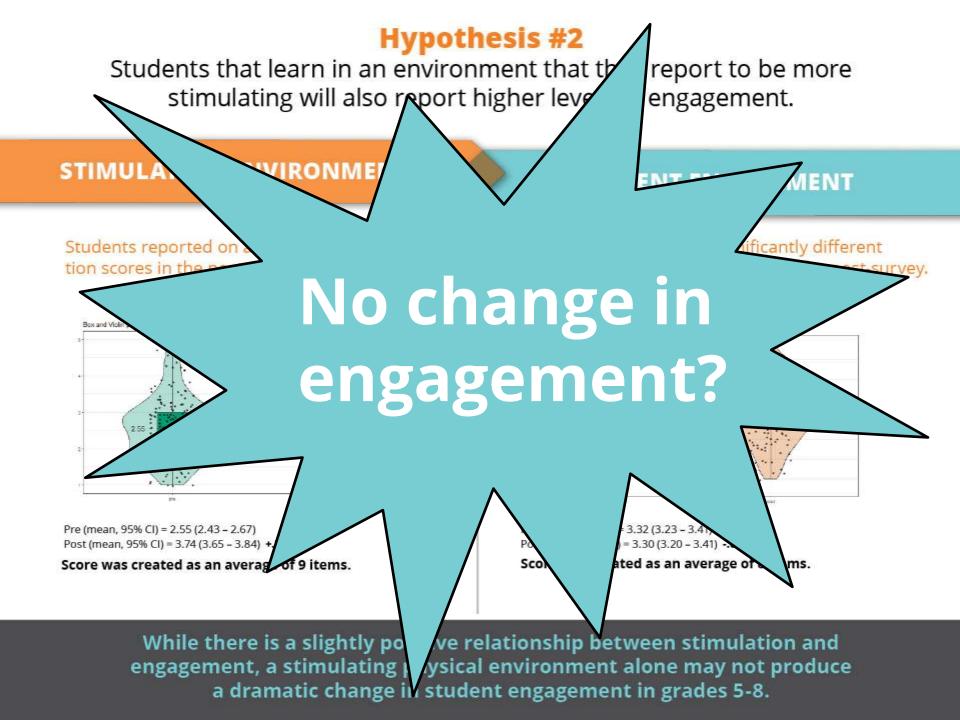
connecting SCHOOL FACILITY CONDITIONS

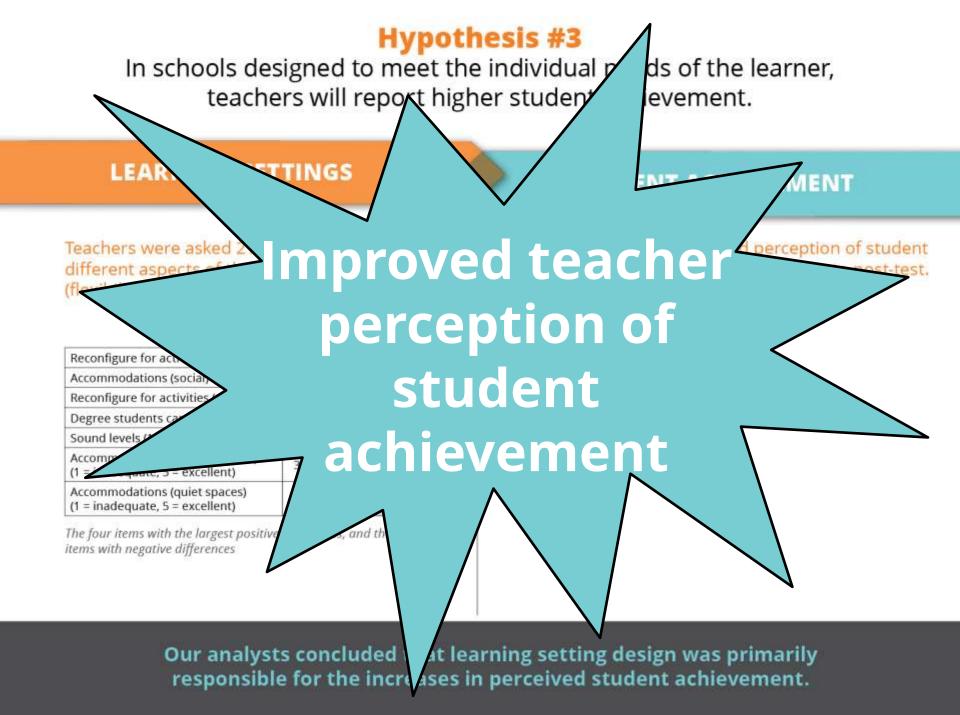
AND STUDENT OUTCOMES

evidence based design study

This study is designed to measure before and after renovation/construction effects on student outcomes by analyzing a relationship between the following variables:







Teachers see students achieving more in learning spaces that can be reconfigured and which create a social and collaborative environment

Collective Teacher Efficacy

With an effect size of 1.57, CTE is ranked as the number one factor influencing student achievement (Hattie, 2016)

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thank you!



