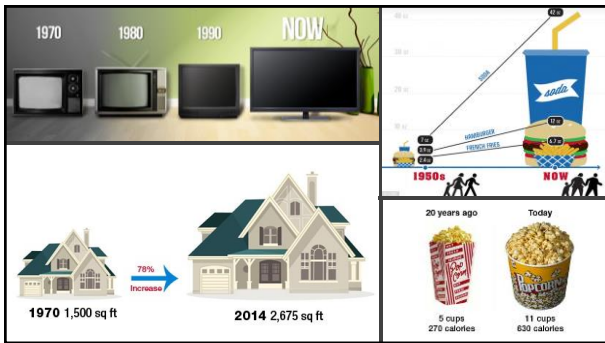


BIGGER ISN'T ALWAYS BETTER

Tips for building smarter schools

BLDD
ARCHITECTS





WHO WE ARE

<p>Todd Cyrulik AIA, LEED AP Principal, Director KTZ Design BLDD Architects, Inc.</p>	<p>Scott Kuffel Retired Superintendent Geneseo CUSD #223, Geneseo, IL</p>	<p>Kristine Eager Superintendent Wabash ESD #116, North Utica, IL</p>

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Agenda

How did we get here?

Is there a better way?

Smart school case studies

HOW DID WE GET ↓ HERE?



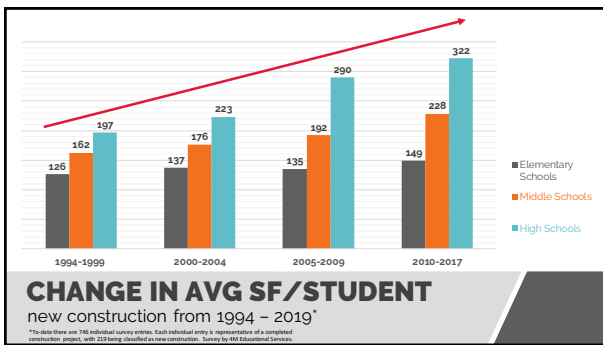
federal requirements

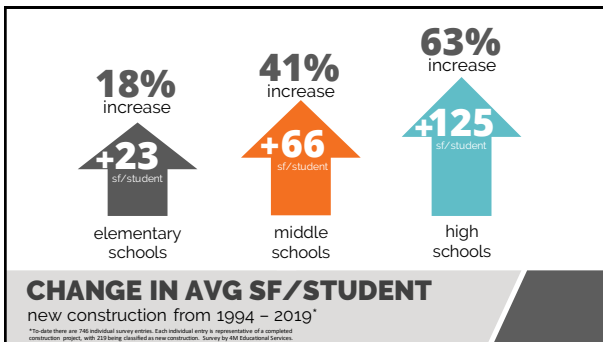
TITLE I dedicated services for low income	TITLE IX equitable programs by gender	
PUBLIC LAW 94-142 free education for each child with disability	MANDATED LUNCH PROGRAMS	AMERICANS WITH DISABILITIES ACT

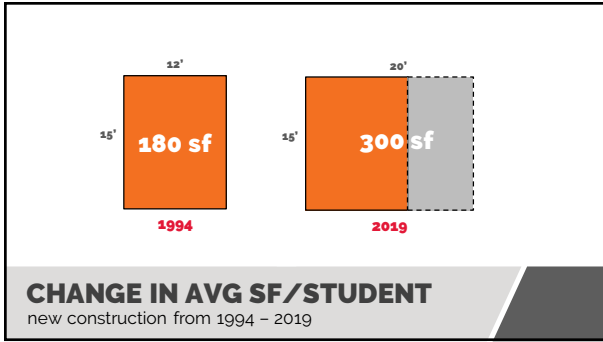
educational practices / methods

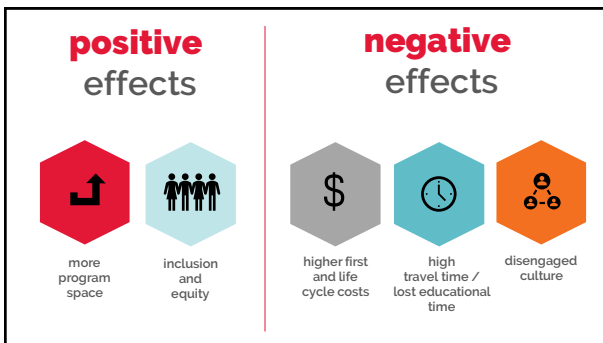
 collaborative teaching / learning	 inclusion programs	 small group instruction
 social learning	 active learning	 advanced technology

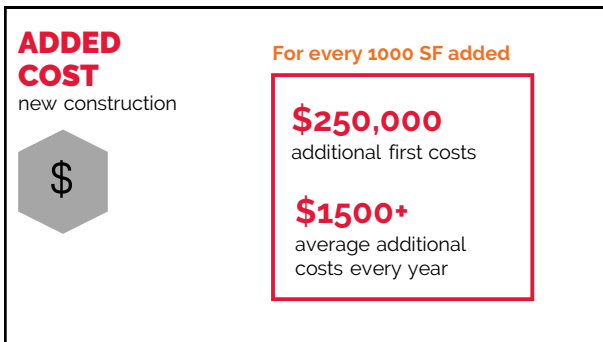


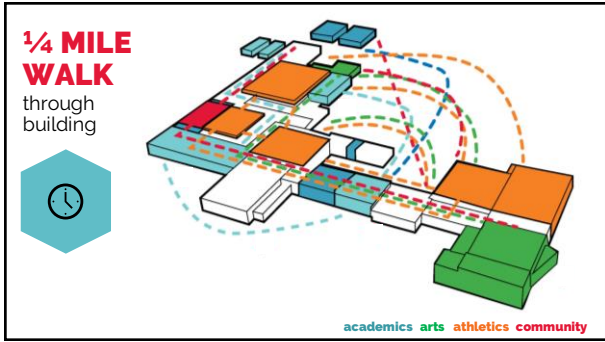






















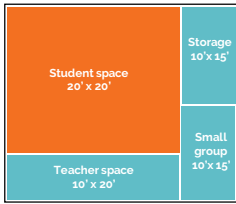


SMARTER PLANNING

- 1** Assign space by kid not by adult
- 2** Make sure EVERY space has a function between 8-3, M-F
- 3** Find programs that are underserved individually but compatible
- 4** Avoid uniformity disguised as equity



the problem:
crowded classrooms

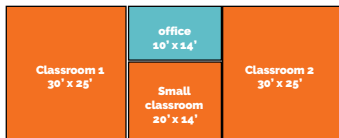


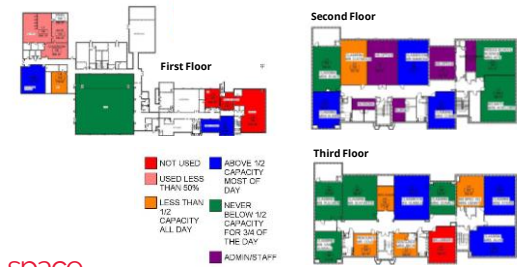
- WHAT?** → Design bigger classrooms
- WHY?** → There is so much stuff in the room
- Desks for the biggest class
 - Teacher storage
 - Area for small group work
- WHY??**
- WHY???** → Understand what is taking up space and make space for it

WHAT
should we BUILD?

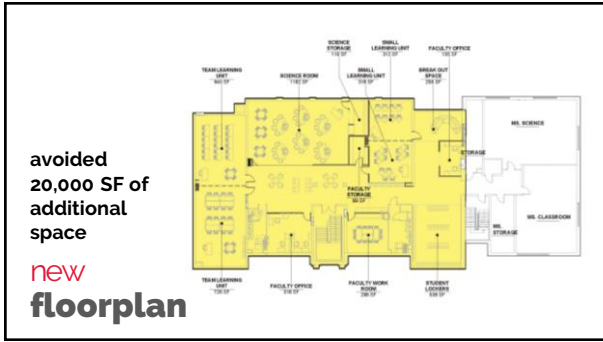


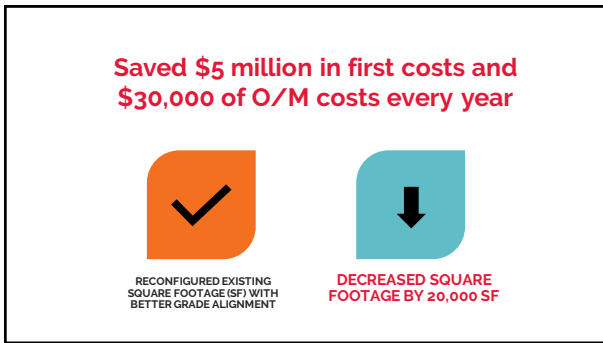
WHY
should we BUILD?





space
utilization study



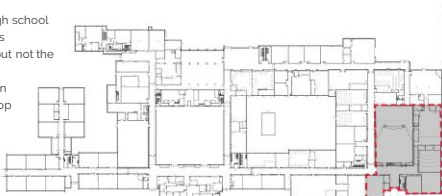


smart schools
**CASE
STUDIES**

GENESEO HIGH SCHOOL

the challenge

- Aging 1950-70s high school with physical needs
- Too much space, but not the right spaces
- Programs housed in former storage, shop areas, etc.
- Small site footprint



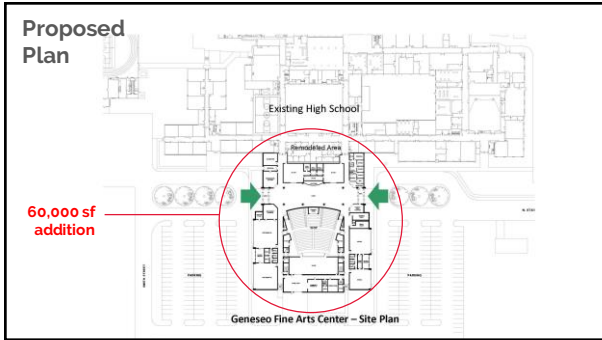
existing floorplan

Geneseo High School, Geneseo, IL	1,200 STUDENT CAPACITY	800 STUDENT ENROLLMENT
-------------------------------------	-------------------------------	-------------------------------

WHAT

should we **BUILD?**

- » 60,000 sf fine arts and security addition
- » Large venue for band and choral programs
- » Outdoor athletic facility
- » Leave former fine arts spaces without function
- » Use all funds and require additional funding



WHY?

fix what's broken

- » Repair and maintain existing building
- » HVAC and lighting updates
- » Repair outdoor athletic facilities
- » Gym not suitable to host performances

Geneseo High School,
Geneseo, IL

WHY??

we need more space

- » Support highly ranked band, art, and chorus
- » Provide collaborative opportunities
- » Support new media
- » Support athletic programs
- » Enhance security measures

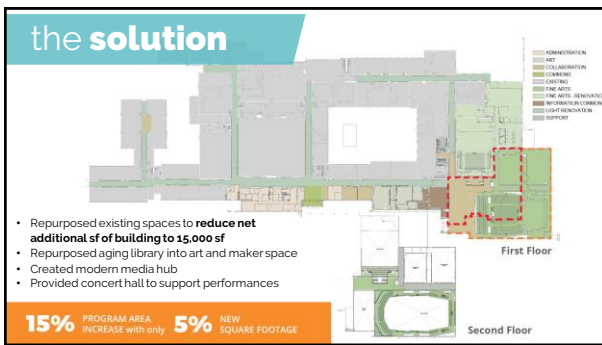
Geneseo High School,
Geneseo, IL

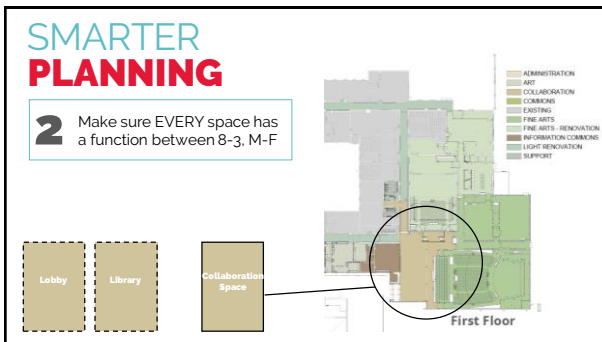
WHY???. . .

innovation / smarter design

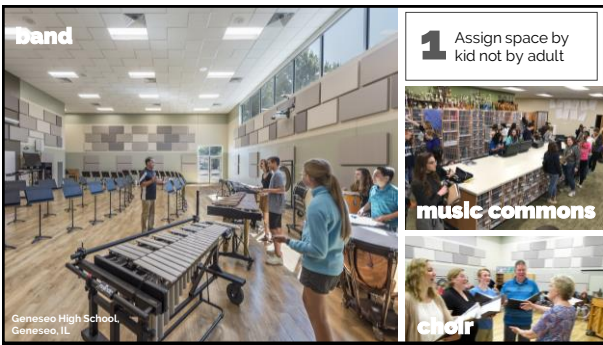
- » Overserve no one
- » Appropriately serve everyone
- » Right-size for student body
- » Multi-use spaces
- » More program area with only small addition

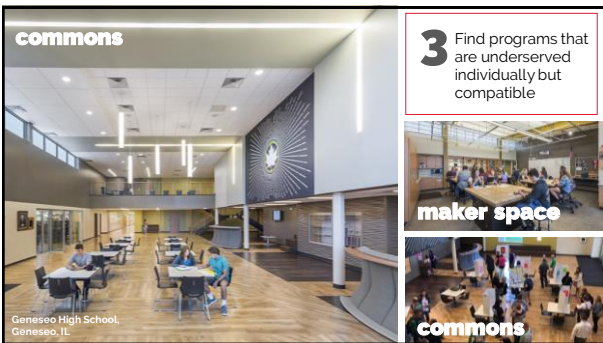
Geneseo High School,
Geneseo, IL

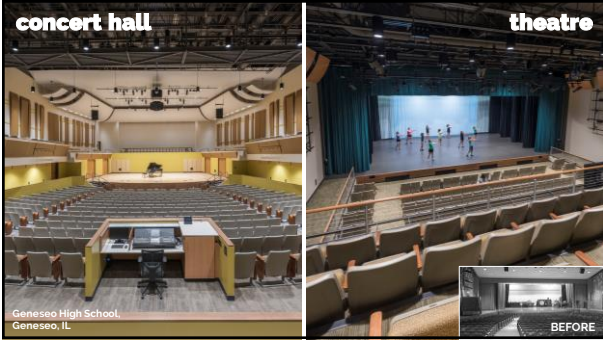
















WHY?

fix what's broken

- » Dated learning environments
- » Two separate school to maintain
- » Failing buildings

Waltham School
North Utica, IL



WHY??

we need more space

- » Reduce travel time for teachers
- » Create future-focused and individualized instruction
- » Prove that small, rural education can be high quality
- » Provide a cafeteria / kitchen

Waltham School
North Utica, IL

WHY???. . .

innovation / smarter design

- » Create a warm and welcoming culture
- » Provide radically collaborative spaces to solve multiple problems
- » Use ALL space by nearly eliminating non-instructional spaces (hallways, cafeteria, kitchen)

Waltham School
North Utica, IL

the solution

1 Assign space by kid not by adult

- New, smaller single K-8 school
- **Nearly eliminate non-instructional space** (hallways, cafeteria, kitchen)
- Tighter footprint with increased future-focused program space
- highly collaborative and flexible learning studios



5000 sf smaller than the 'what' solution | **13% less space** | **138 sf/student**

2 Make sure EVERY space has a function between 8-3, M-F

FOREST

- FIELD
- CAMPUS/ROOF
- EXTENSION

RIVER

- 6-8 CLASSROOM
- 6-8 CLASSROOM

MEADOW

- 6-8 CLASSROOM
- 6-8 CLASSROOM
- RECREATION CENTER

4 Avoid uniformity disguised as equity



radically collaborative spaces

Working with limited resources, the team focused on providing radically collaborative environments, like the **combined Art / STEM Innovation Station**.

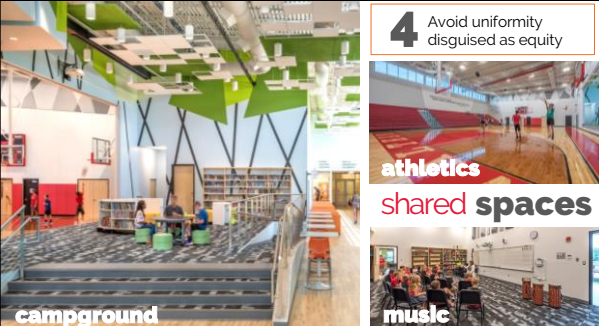
Waltham School
North Utica, IL

OUTDOOR CLASSROOM & SPACE FOR PORTABLE SINK
WOBBLE CHAIRS
OPERABLE WALL
OPERABLE WALL
INTEGRATED TECHNOLOGY

Innovation station



4 Avoid uniformity disguised as equity



athletics shared spaces

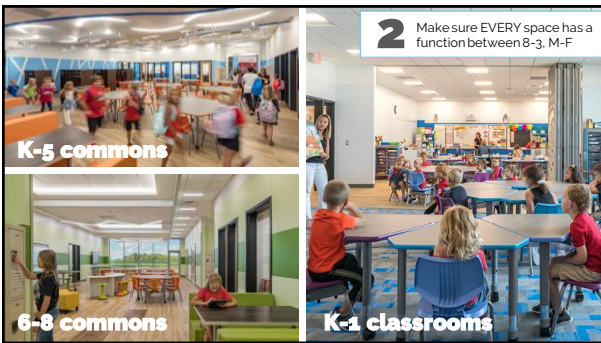
campground

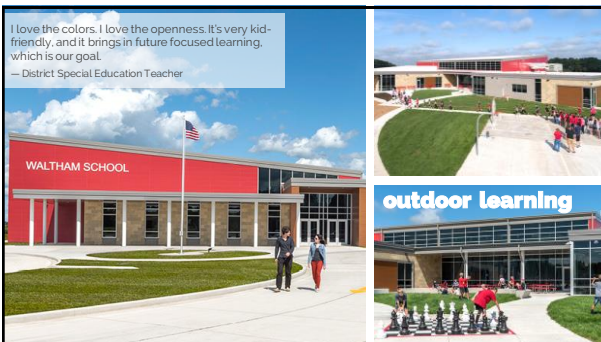
music

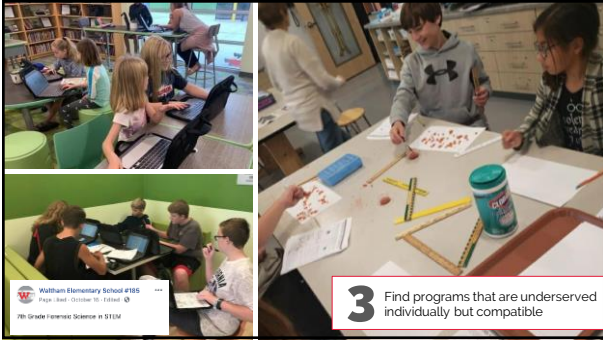


**what's
for lunch?**

Instead of investing in on-site food preparation and storage, the design allows a variety of healthy, catered lunches to be stored and distributed to the various areas of the school building, allowing the educational team and students to approach nutrition on their own schedule.











Conclusion

How did we get here?

Is there a better way?

Smart school case studies

BIGGER
ISN'T ALWAYS
BETTER

thank you!

Tips for building
smarter schools

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