CEDAR FALLS COMMUNITY SCHOOL DISTRICT

HIGH SCHOOL PLANNING







OUR PROCESS



We problem-seek before we problem-solve.

- Key decision makers come together
- Hopes and Fears
- Review design standards
- Review and document existing conditions
- Review lessons learned
- Scope definition

STRATEGY

We analyze what we learned from Discovery and create a solution.

- Research solutions
- Develop concepts and options
- Strategize approach
- Budget & schedule development
- Coordination with trades
- Material & finish selection

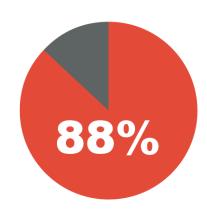
IMPLEMENTATION

We align with the design strategy, respecting schedules and budget.

- Document development
- Consultant coordination
- Reviews and page turn
- Budget update
- Bidding and negotiating
- Preconstruction phase
- Construction administration

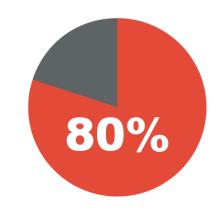
STAFF SURVEY RESULTS

THE ROLE OF SPACES IN EDUCATION



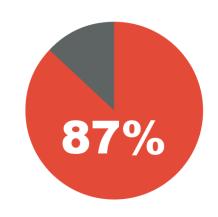
SPACES ARE THE MOST IMPORTANT FACTOR IN CREATING SUCCESSFUL
LEARNING EXPERIENCES FOR STUDENTS

CAPABLE SPACES + TEACHING



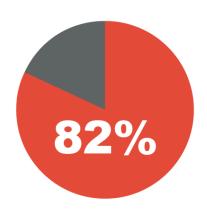
CREATING MORE CAPABLE SPACES
WOULD EITHER SIGNIFICANTLY IMPACT
OR COMPLETELY CHANGE
HOW THEY TEACH

CAPABLE SPACES + LEARNING



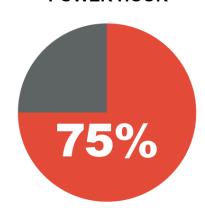
CREATING MORE CAPABLE SPACES
WOULD EITHER SIGNIFICANTLY IMPACT
OR COMPLETELY CHANGE
HOW STUDENTS LEARN

SPACES AS A REFLECTION OF VALUES



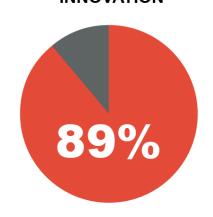
CURRENT SPACES DO NOT REFLECT
THEIR VALUES AND BELIEFS ABOUT HOW
STUDENTS OF THE CEDAR FALLS COMMUNITY
SHOULD BE EDUCATED

POWER HOUR



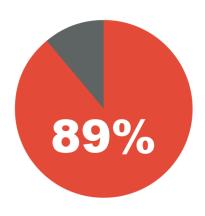
CURRENT SPACES **DO NOT SUPPORT**POWER HOUR EFFECTIVELY

INNOVATION



NEW SPACES WOULD ENABLE THEM TO BE **MORE INNOVATIVE** IN THEIR PRACTICE

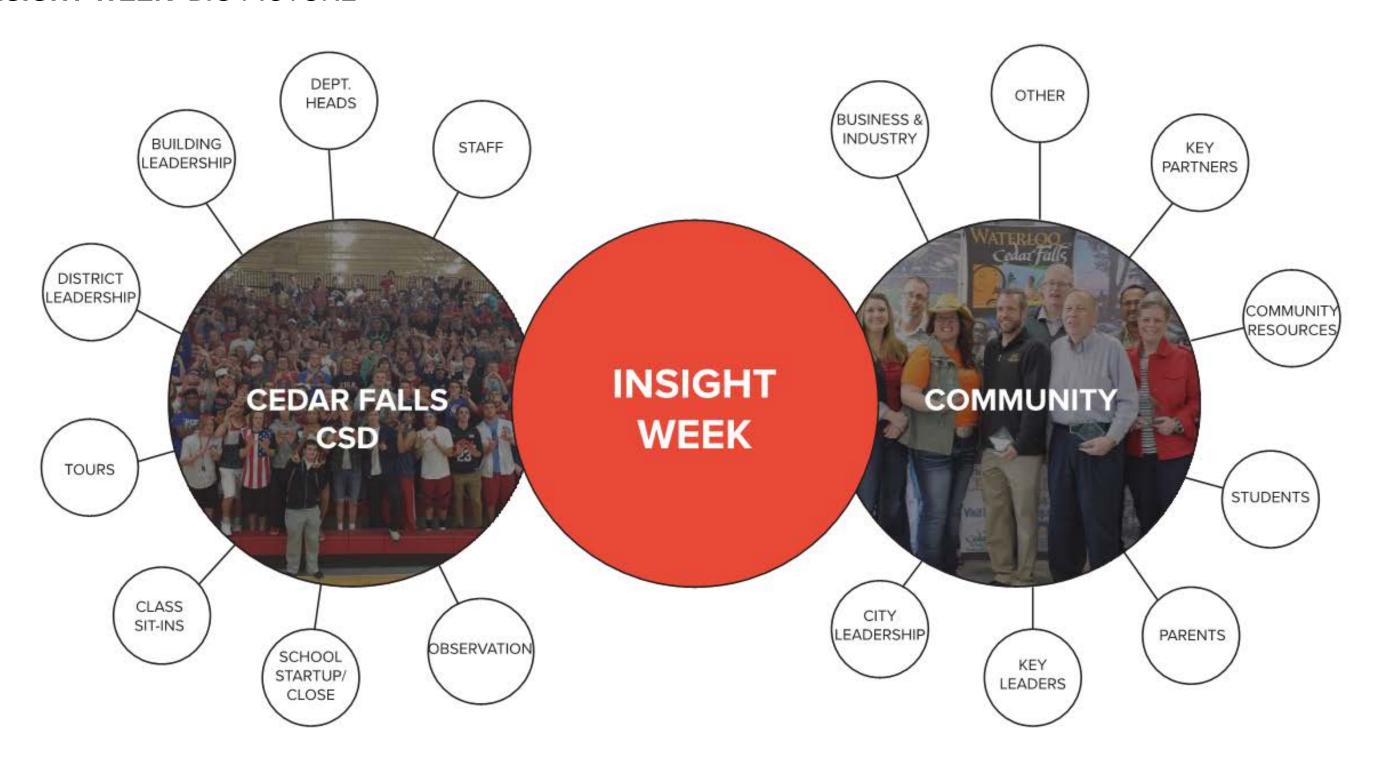
SUCCESS



SCHOOL SUCCEEDS IN SPITE OF ITS CURRENT SPACES



INSIGHT WEEK BIG PICTURE



INSIGHT WEEK DRIVERS



MOST NEW SCHOOLS

A NEW VERSION OF TODAY LEVEL 2

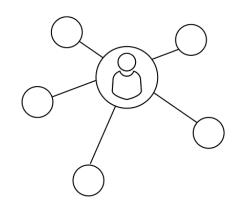
EDUCATIONAL CULTURE CHANGE

IMPROVED PROCESSES FOR LEARNING AND TEACHING LEVEL 3

COMMUNITY ASSET

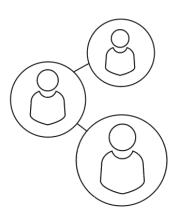
AN
ENGAGED
RESOURCE
FOR THE
COMMUNITY

INSIGHT WEEK DRIVERS



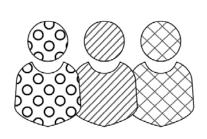
CONNECTEDNESS

The future of learning manifests through a greater degree of connectedness among the elements and factors that create the conditions for learning.



COMMUNITY + CO-LOCATION

The future of learning is based in partnerships, shared resources, and the co-location of learning opportunities that increase the dimensions of where learning occurs.



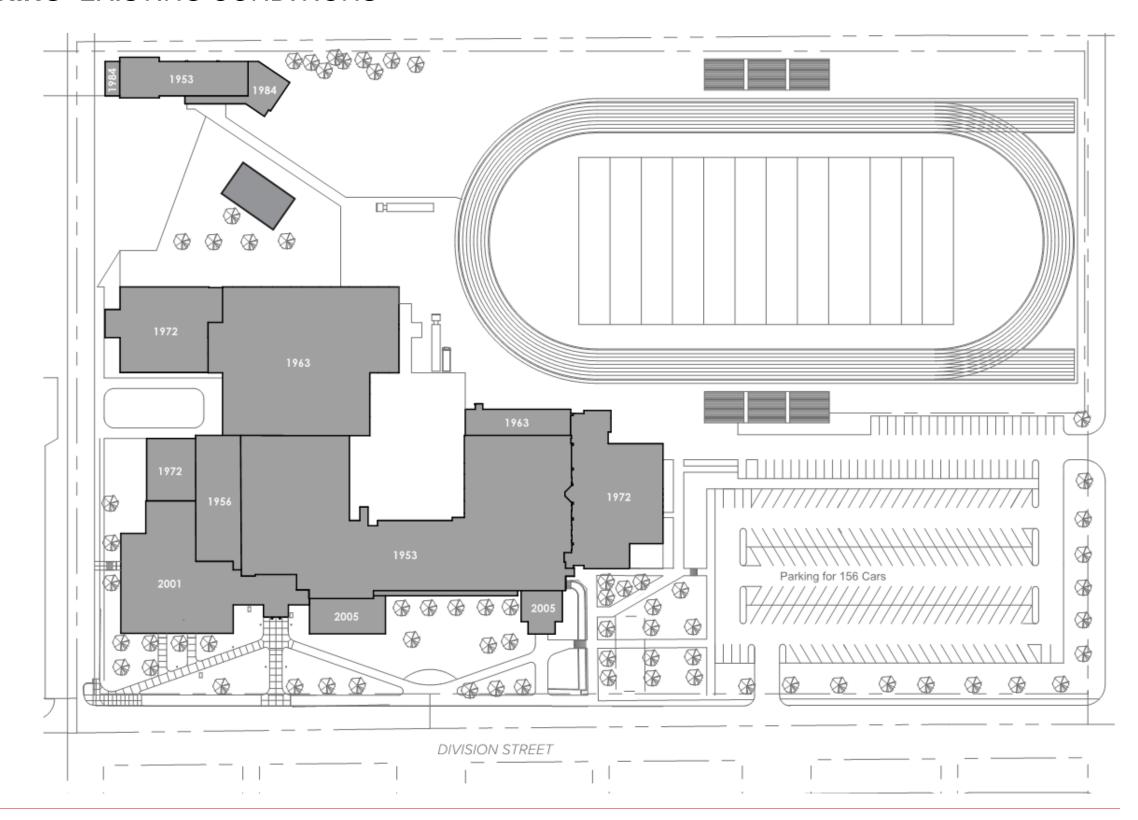
DIVERSITY

The future of learning is based upon a landscape of diverse and capable spaces that encourage new interactions, pathways for learning, and an exploration of the possible.

INFORMATION GATHERING EXISTING CONDITIONS





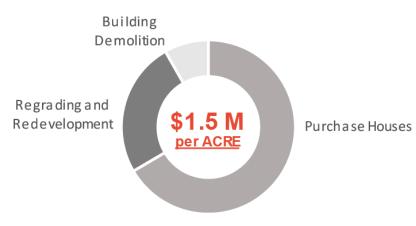




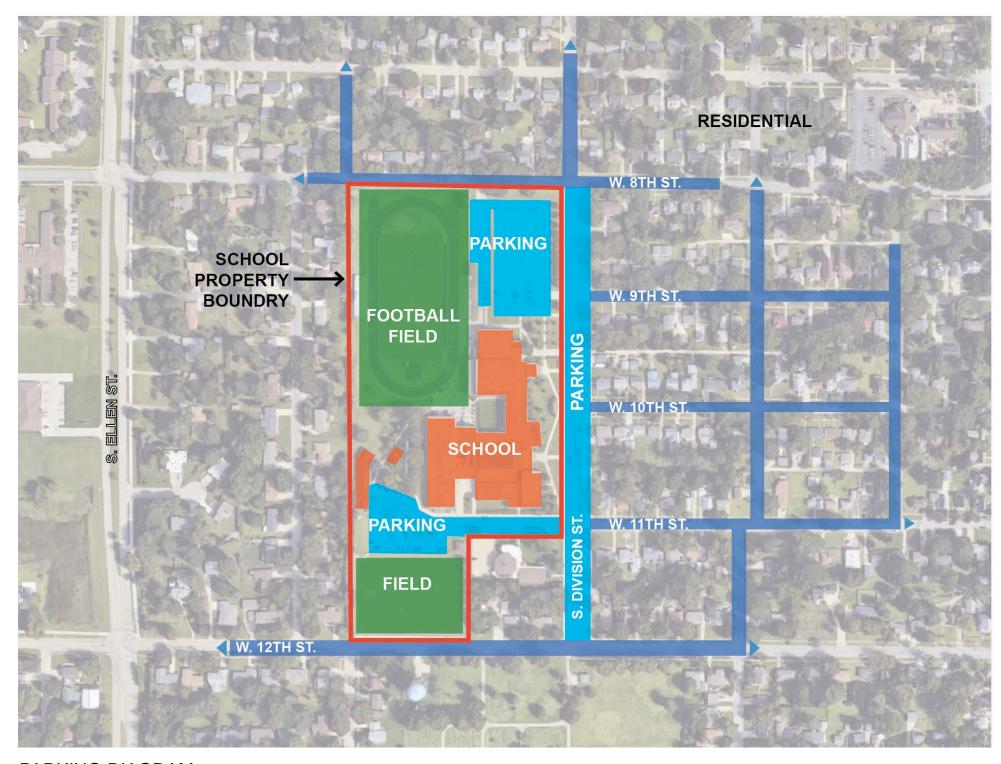
SITE SUMMARY



COSTS FOR ADJACENT LAND PURCHASE & REDEVELOPMENT AT EXISTING HS



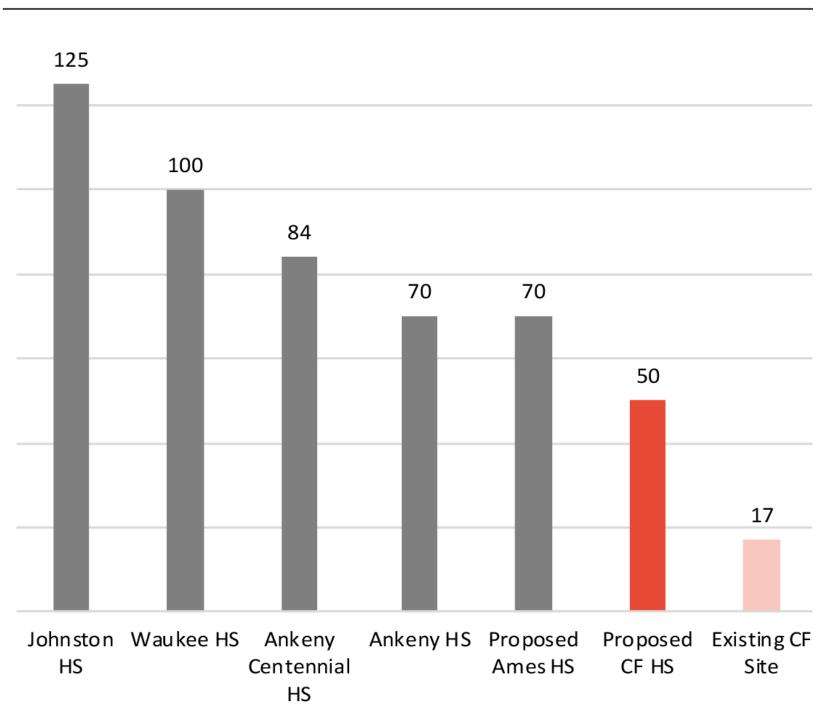
\$1.24M - Cost of 50 Acres West of UNI



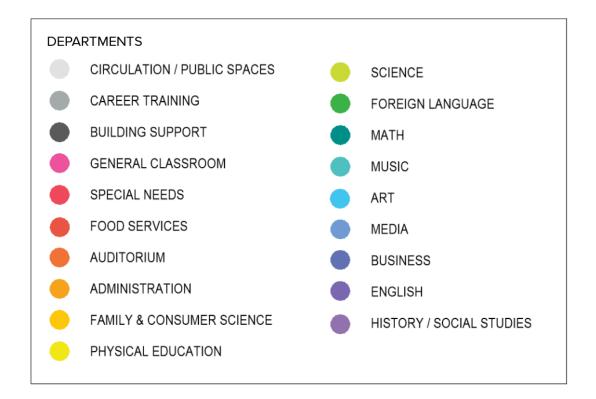
PARKING DIAGRAM

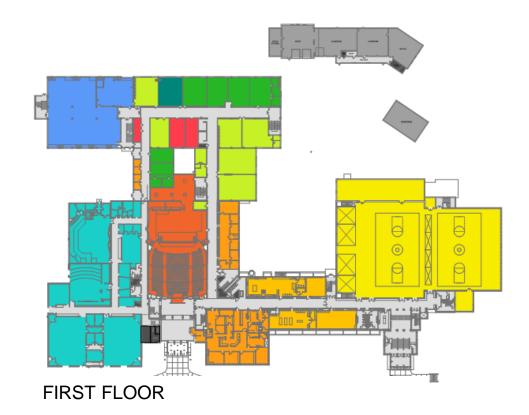
BIG PICTURE

NUMBER OF ACRES FOR NEW SITE

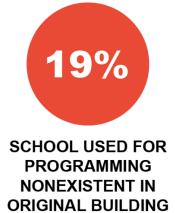


DEPARTMENT PLANS & ANALYSIS





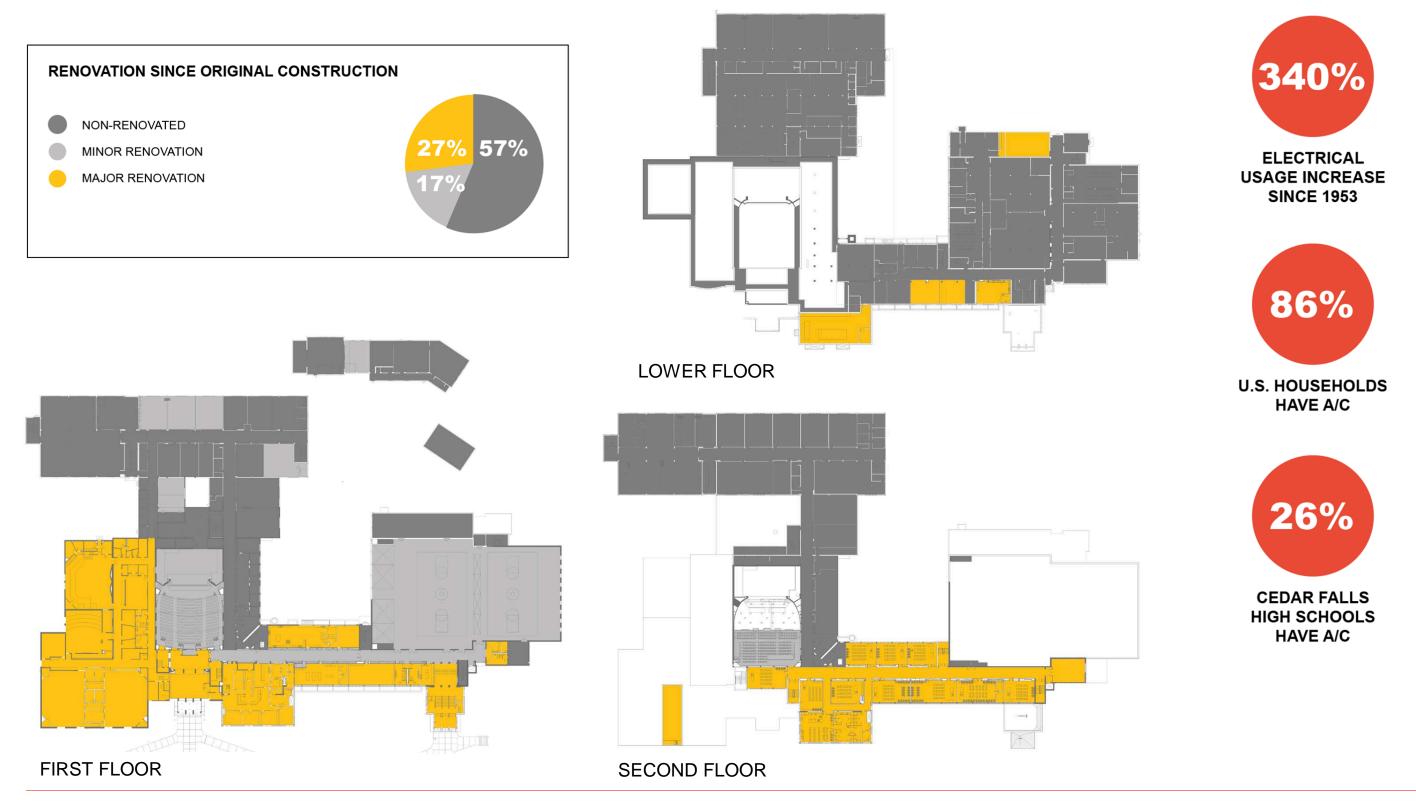






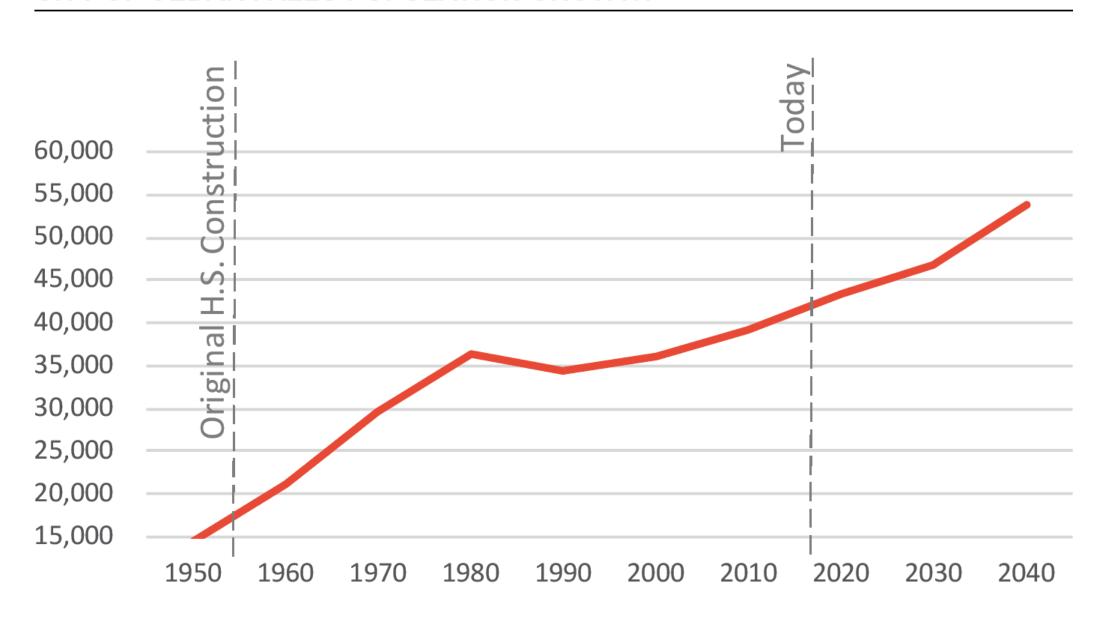


RENOVATED AREA



FUTURE GROWTH

CITY OF CEDAR FALLS POPULATION GROWTH

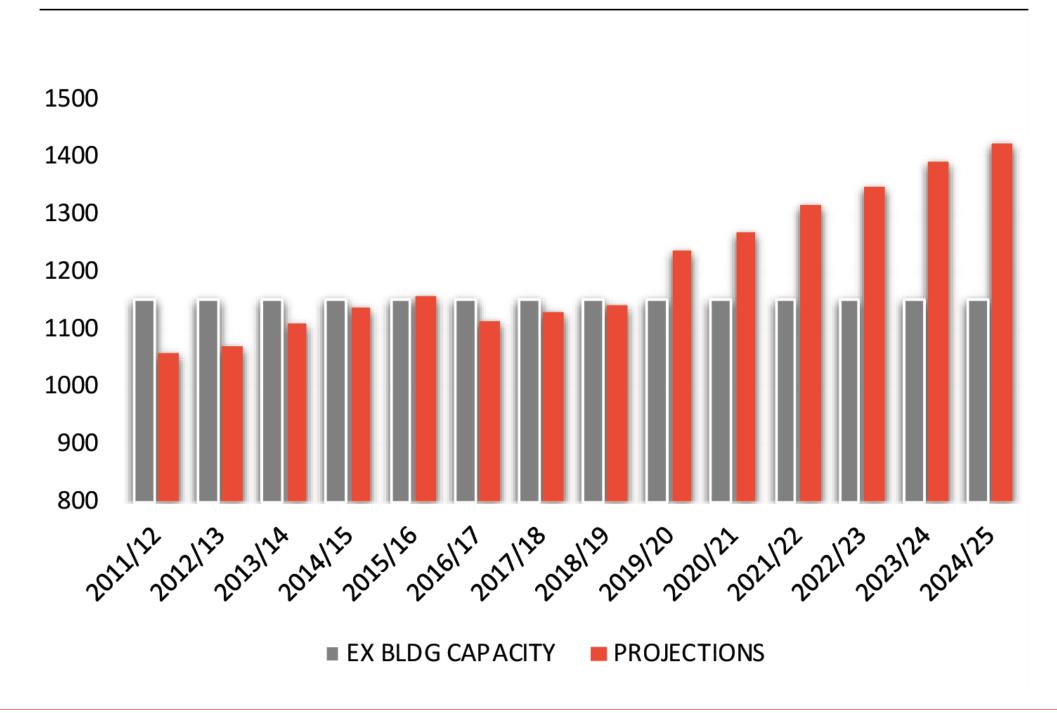


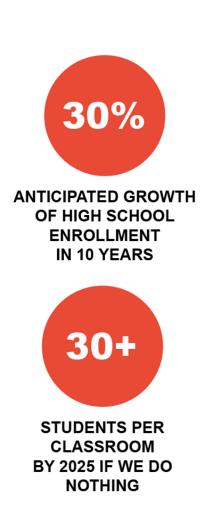




FUTURE GROWTH

HIGH SCHOOL ENROLLMENT PROJECTIONS



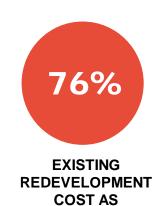


2012 REDEVELOPMENT STUDY





REDEVELOPMENT ANALYSIS



REDEVELOP AND EXPAND EXISTING HIGH SCHOOL

PROJECT COST......\$84,440,000 CONSTRUCTION COST.....\$67,280,000



% OF NEW

REDEVELOPMENT
COST
AS % OF NEW
INCLUDING
EQUIVALENT LAND
ACQUISITION

ASSUMPTIONS

- Accommodates 1,400 students
- Some but not all discovery goals met
- Total area = 345,000 GSF
 - Existing high school area 226,000 GSF
- Cost based on 2021 construction start
- 5 years of phased construction required
- Limited site for future growth

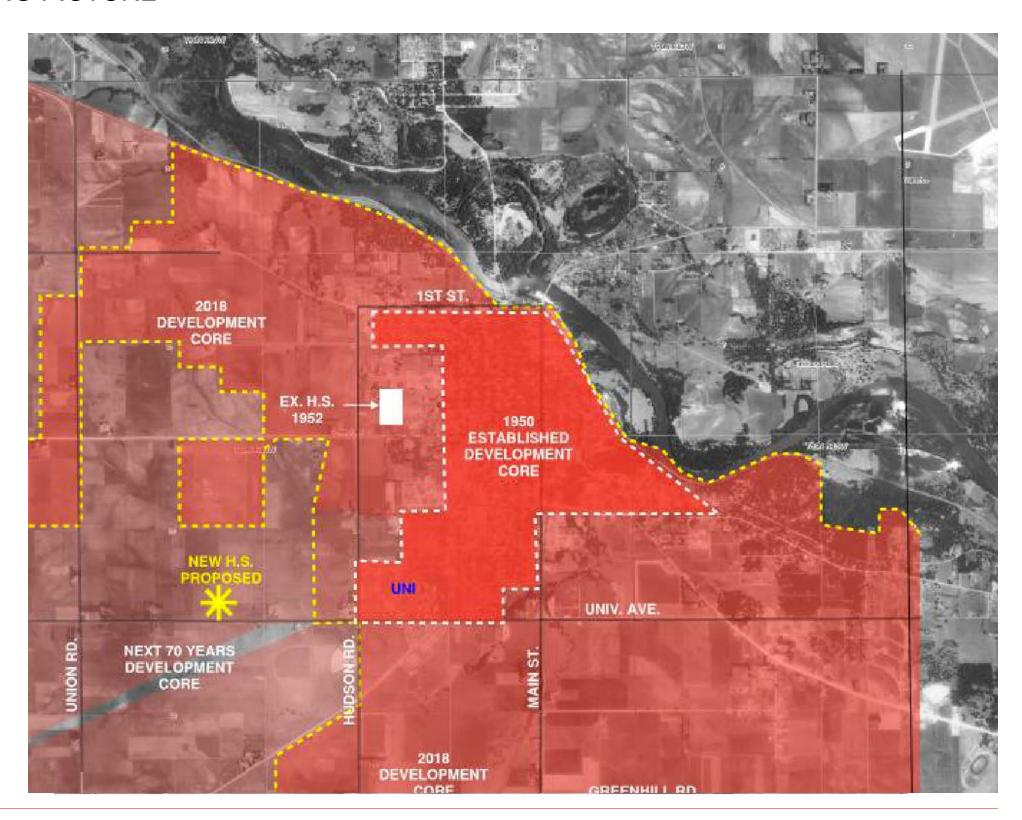


CEDAR FALLS DEVELOPMENT BIG PICTURE

1950

TODAY

TREND NEXT 70 YEARS





SPACE PROGRAMMING

TOTAL AREA: 295,000SF

8 LEARNING COMMUNITIES

(8 X 7,040 SF) 56,320 SF

ATHLETICS/PE

48,970 SF (+20,200 SF W/ FUTURE POOL)

SCIENCE LABS

9,450 SF

VISUAL ARTS

6,050 SF

PERFORMING ARTS

13,600 SF

CAFE/STUDENT COMMONS

14,700 SF

KITCHEN

18,000 SF

BUSINESS DEVELOPMENT

4,500 SF

FAMILY & CONSUMER SCIENCES

3,100 SF

ENGINEERING/MANUFACTURING

10,500 SF

SPECIAL NEEDS

4,800 SF

ADMINISTRATION

6,000 SF

LEARNING RESOURCE CENTER

7,510 SF

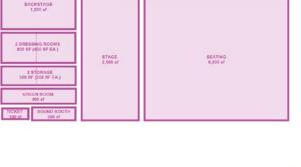
AUDITORIUM

12,000 SF

SUPPORT

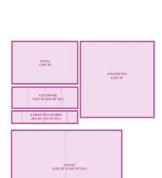
49,781 SF





RESTROOMS 7,643 sf

SCHOOL ST



GUIDANCE SUITE 2,500 sf

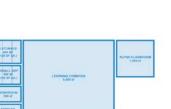


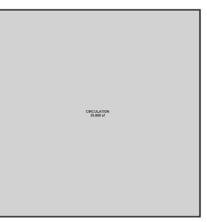


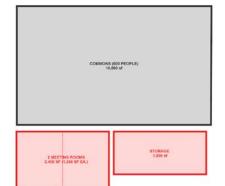
2 LASS 2,000 st



6 RESOURCE ROOMS 2,430 SF (400 SF EA.)





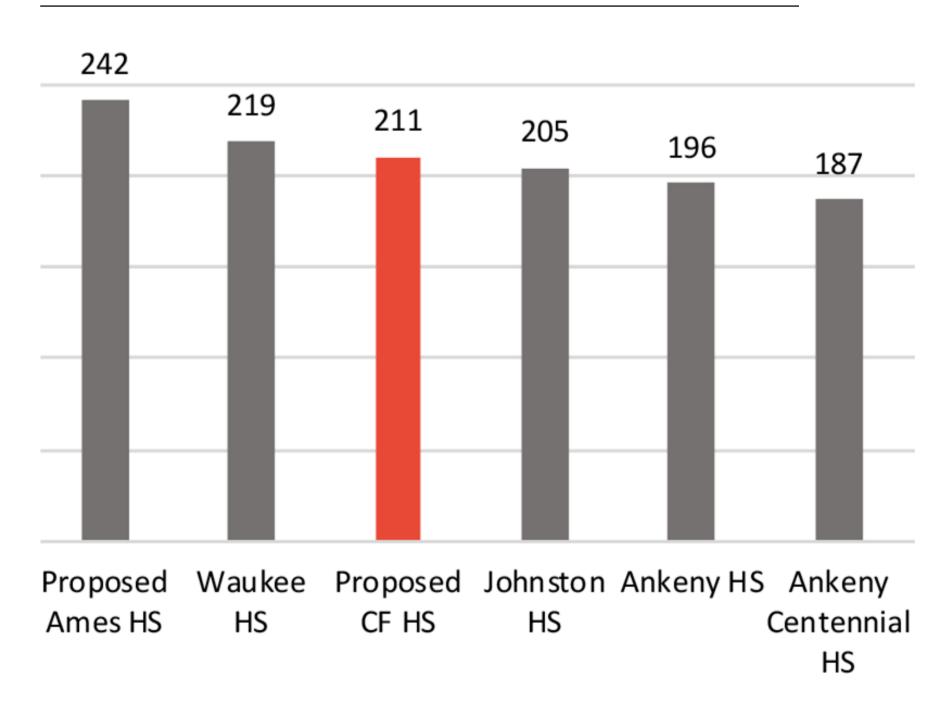




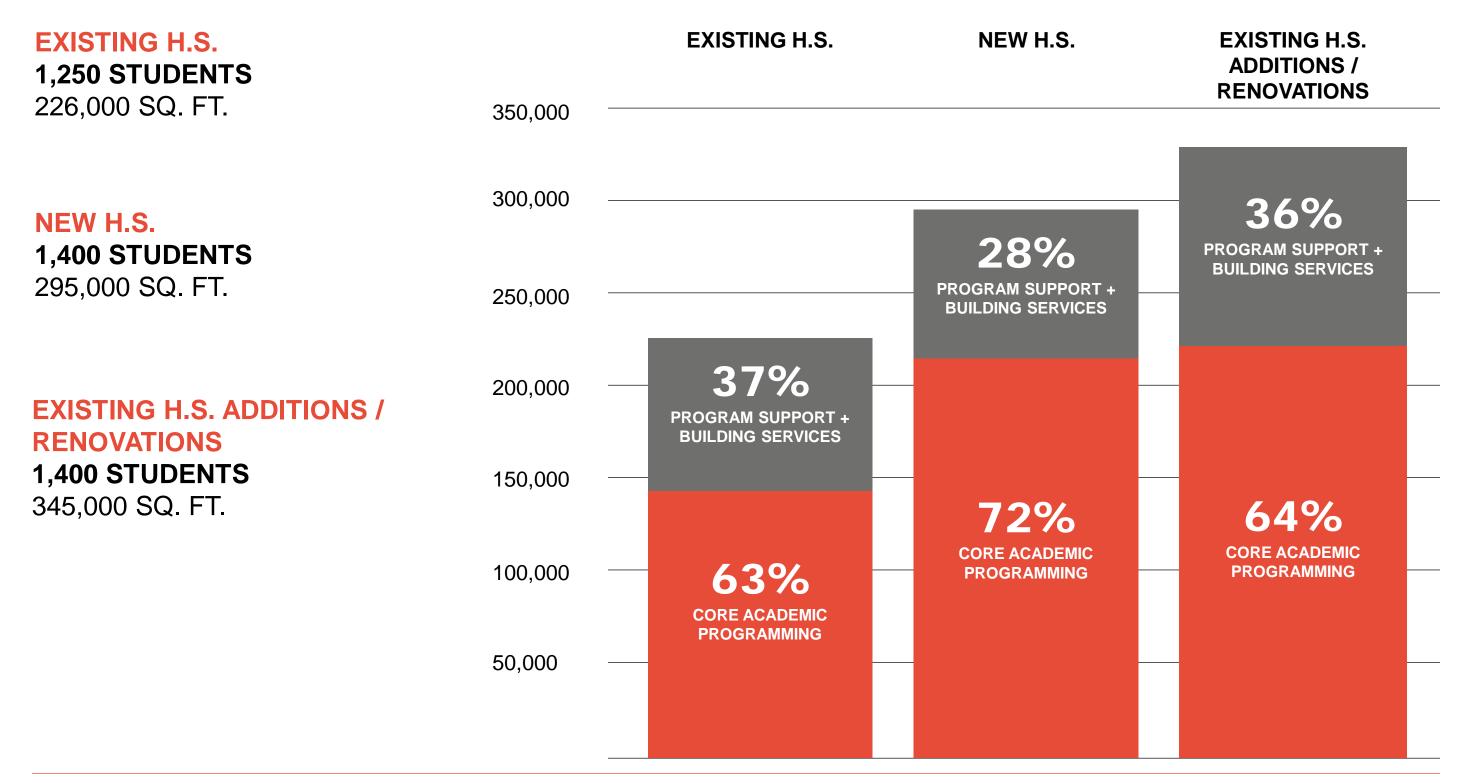


BENCHMARKING



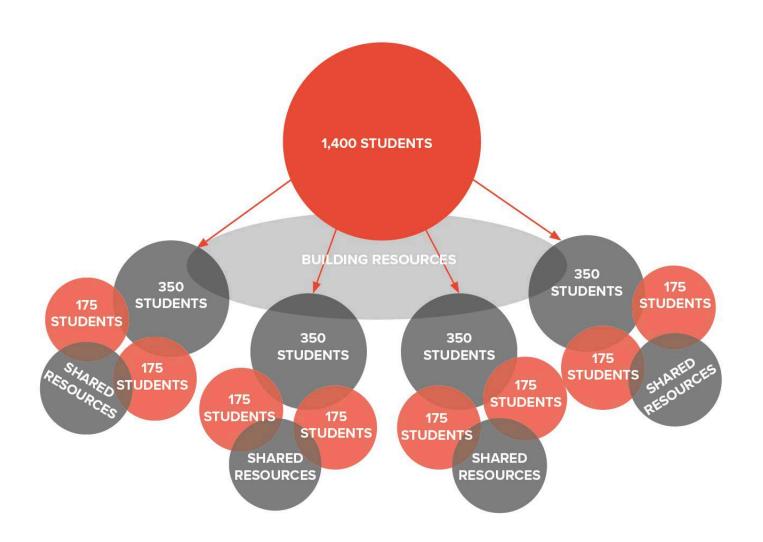


PROGRAM COMPARISON

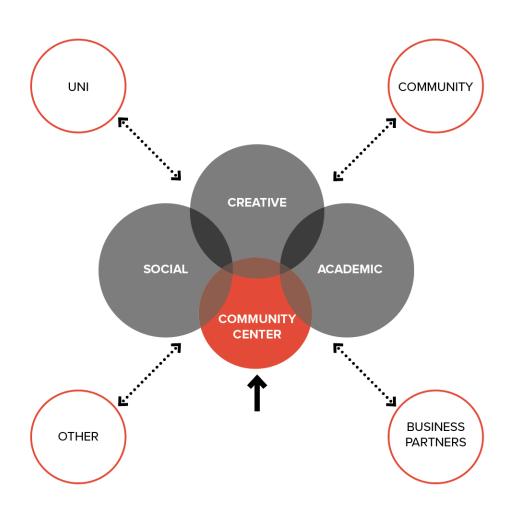


INSIGHT WEEK PROGRAM APPROACH

LEARNING COMMUNITY MODEL



SCHOOL AS A COMMUNITY ASSET

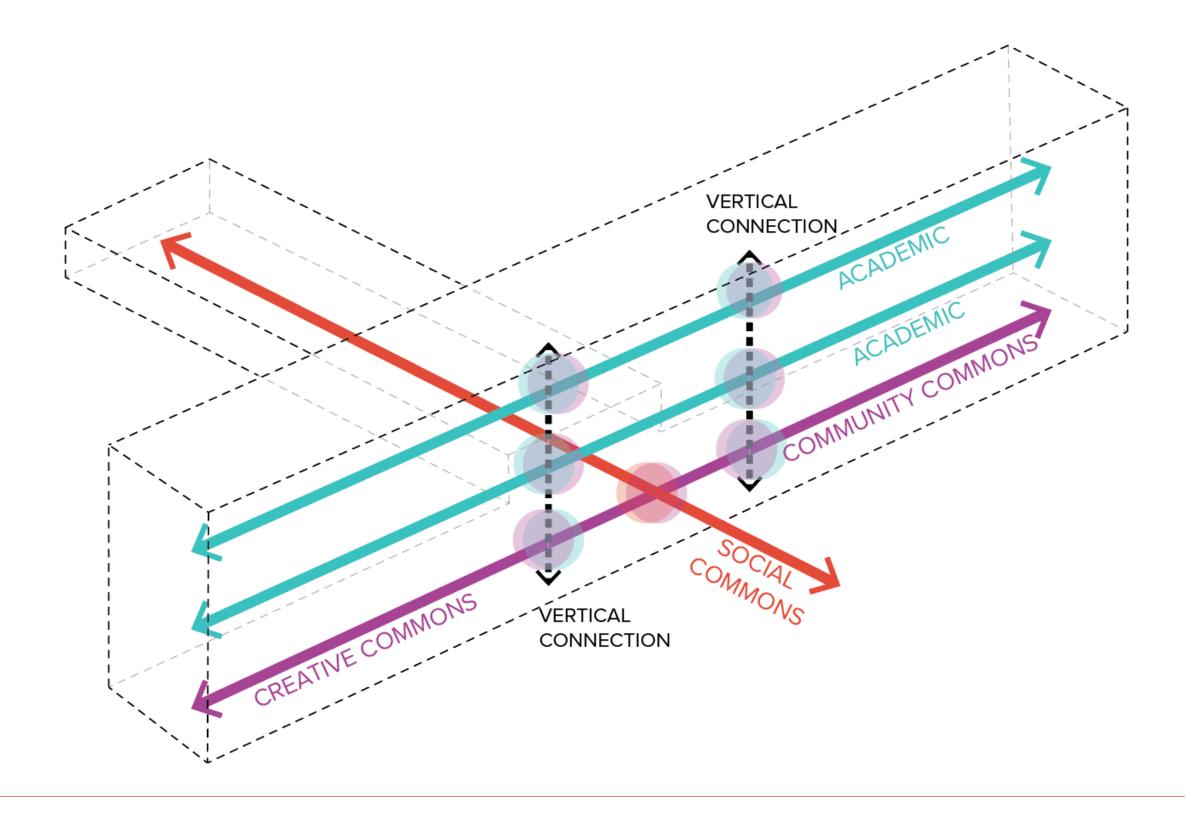


SITE PLAN



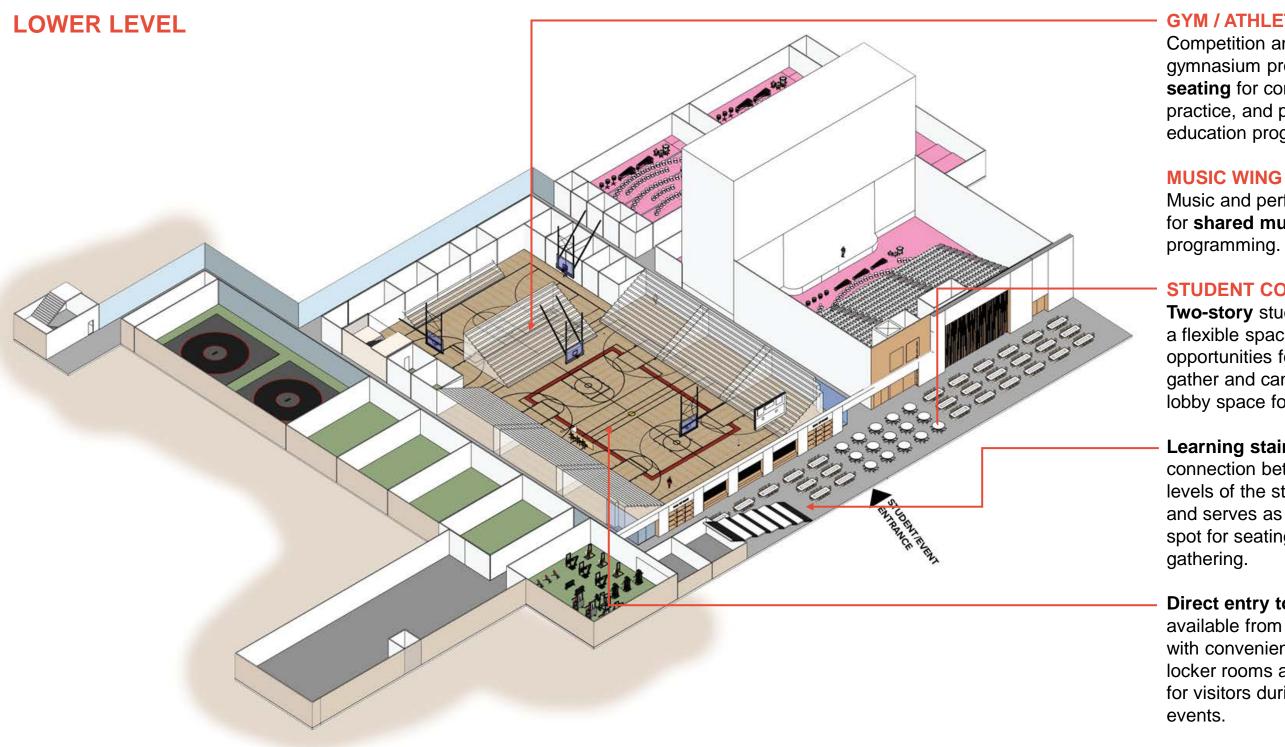
BUILDING ORGANIZATION

SPACIAL DIAGRAM





PLAN DIAGRAM TEST



GYM / ATHLETICS

Competition and practice gymnasium provide flexible seating for competition, practice, and physical education programming.

Music and performance spaces for shared multi-purpose programming.

STUDENT COMMONS

Two-story student commons is a flexible space that provides opportunities for students to gather and can double as a lobby space for the auditorium.

Learning stair provides a connection between the two levels of the student commons and serves as an engaging spot for seating and informal

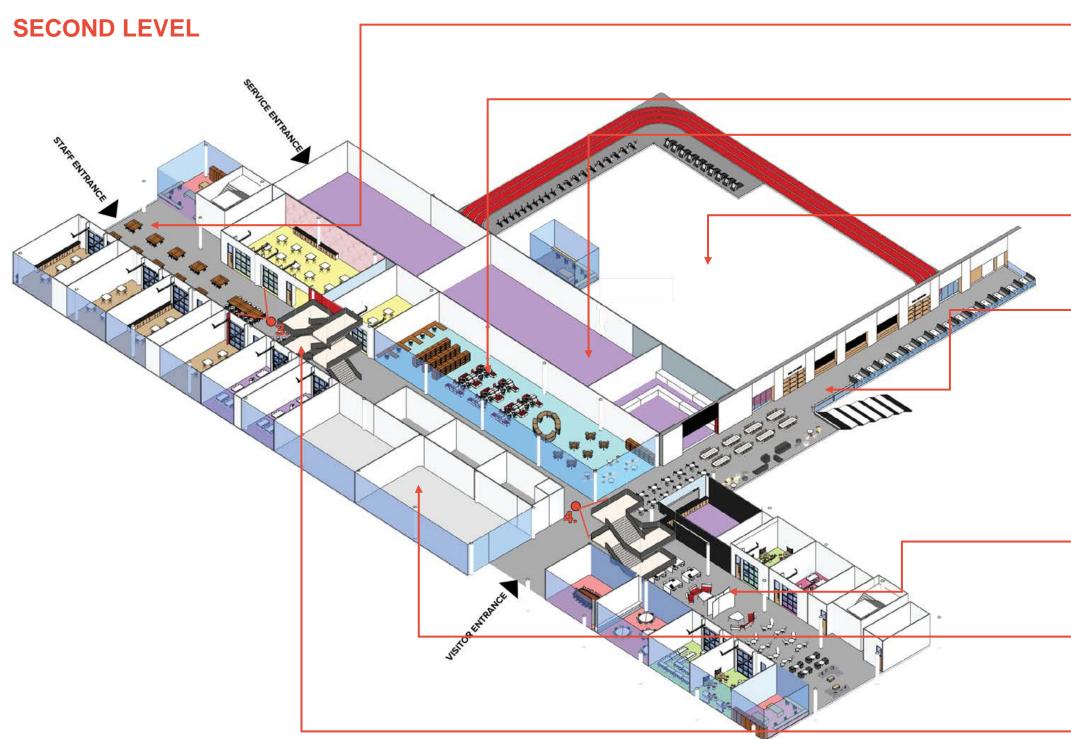
Direct entry to gym floor is available from the lower level with convenient proximity to locker rooms and easy access for visitors during athletic



WELLNESS CENTER CONCEPT



PLAN DIAGRAM TEST



· CREATIVE COMMONS/LABS

An **open collaborative work space** surrounded by arts and other flexible maker labs.

LEARNING RESOURCE CENTER

KITCHENS/FOOD SERVICE

Larger food service kitchen and storage provides district-wide food production venue.

GYM / ATHLETICS

Access to track and upper level of gym is available on the ground level; cardio machines are also located off the track.

STUDENT COMMONS

Tiger Hall of Fame provides adequate space for more meaningful recognition.

Upper level access to the auditorium is available from the student commons.

Two-story student learning commons directly adjacent to food service, Tiger's Den Cafe, media lab, and other learning areas to **form the heart of learning.**

COMMUNITY COMMONS

Community commons near visitor entrance provides **flexible work space** between students, educators, and community partners.

ADMINISTRATIVE OFFICES at the visitor front door provide forced entry through the office for visibility and security after students enter for the day.

OPEN STAIRS create a **vertical connection** between the social commons spaces and upper level learning communities.



MULTIPURPOSE COMMONS CONCEPT

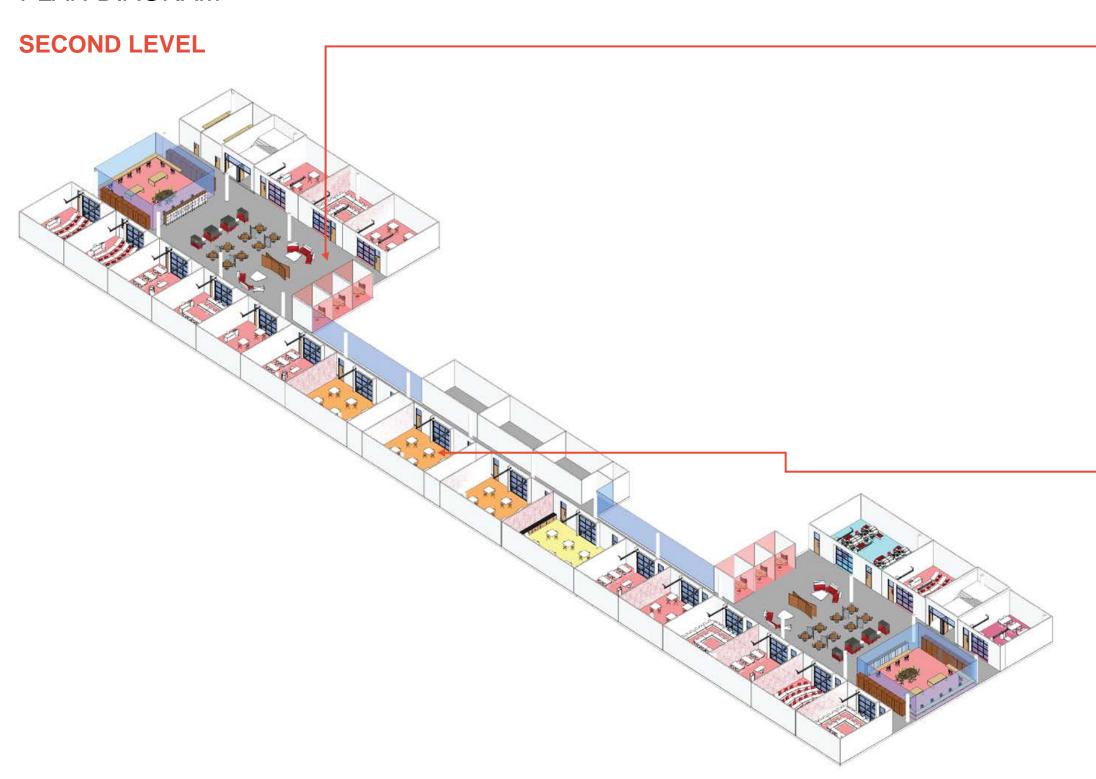




CREATIVE COMMONS CONCEPT



PLAN DIAGRAM



LEARNING COMMUNITY

Shared science and project labs are located between learning communities to provide better utilization and greater flexibility.

Small learning communities provide a school within a school and can each be compartmentalized for security, noise, collaboration, and supervision.

Shared professional learning communities have direct access to students and visual supervision of the site.

SCIENCE LABS

Learning communities are centered around an open commons with a variety of spaces for presentations, group work, and individual work.

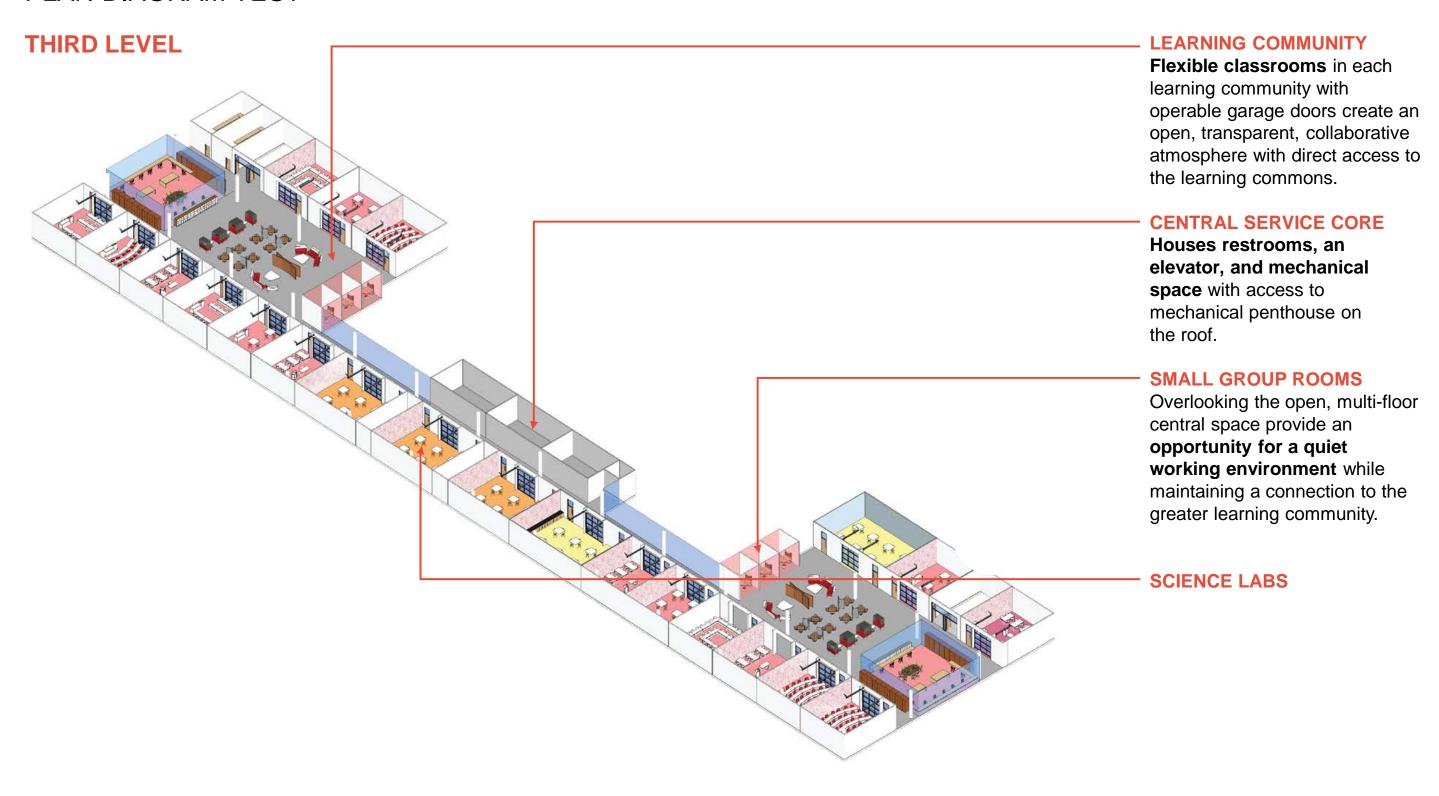
Small learning communities break down learning from 1,400 students to (4) 350-student neighborhoods.



CREATIVE COMMONS / ENTRY CONCEPT



PLAN DIAGRAM TEST





SMALL LEARNING COMMUNITY CONCEPT



BUDGET COMPARISON

REDEVELOP AND EXPAND EXISTING HIGH SCHOOL WITHOUT LAND PURCHASE

PROJECT COST.....\$84,440,000

CONSTRUCTION COST......\$67,280,000

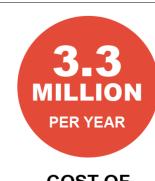
project cost to develop 50 acre site...\$133,940,000

(acquisition and redevelopment of 33 acres = \$49.5M)

NEW HIGH SCHOOL

PROJECT COST......\$112,810,000 CONSTRUCTION COST.....\$86,780,000

*potential bond estimate \$69.9M



COST OF WAITING FOR NEW HIGH SCHOOL

ASSUMPTIONS

- Accommodates 1,400 students
- Cost based on 2021 construction start

COMPARISON OVERVIEW

Building Comparison Data	Existing HS	Redevelop HS	New HS
GENERAL			
Grouped Professional Learning Communities	No	Yes	Yes
Small learning communities	No	No	Yes
Area usable for learning	67%	70%	78%
Student collaboration areas	No	Yes	Yes
Future growth potential	No	No	Yes
Includes district wide kitchen	No	Yes	Yes
Separated bus pick-up / drop-off	No	No	Yes
Site Area	17 Acres	17 Acres	50 Acres
Estimated energy \$/yr	\$213,000 (partial A/C)	\$403,650	\$346,000
Total Project \$	Delayed \$	\$84,440,000	\$112,810,000
# of Students	1250	1400	1400
# practice fields	1	1	3
Years of construction required	0	5	3
SECURITY			
Controlled entrances	No	Yes	Yes
Supervised areas	No	No	Yes
Distributed administration	No	Yes	Yes
Remote lockdown	No	Yes	Yes
Compartmentalized security areas	No	No	Yes
# Students per onsite parking space	2.3 Stud./Space	2.6 Stud./Space	1.5 Stud./Space

QUESTIONS ???

INVISION





JANUARY 2019