# Morehead / Johnson Pre-K - 8

# Schematic Design Update | January 8, 2018







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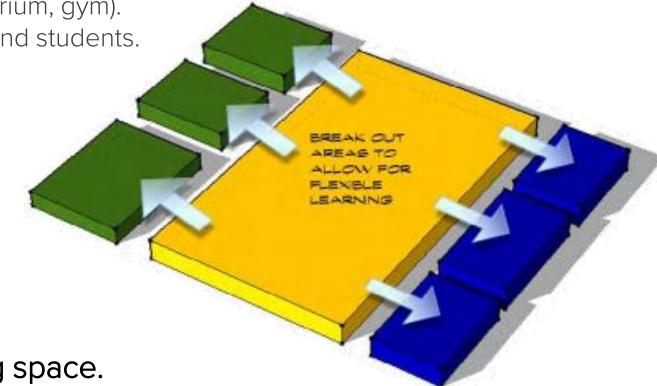


## EPISD DESIGN OBJECTIVES

#### **EPISD Design Objectives**

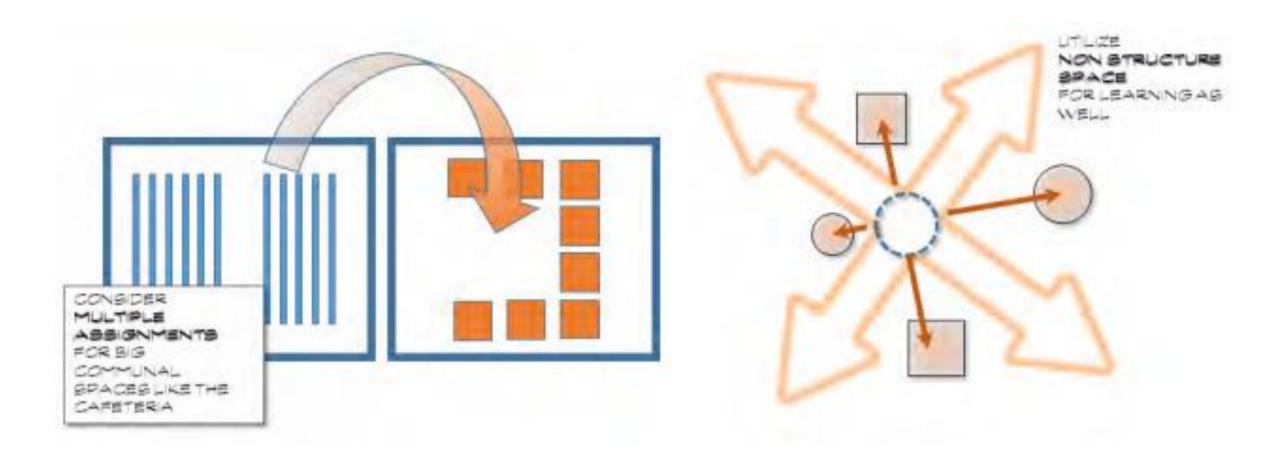
- Create adaptable and flexible spaces agile buildings that can change over time:
  - Accommodate change within the structure of the schools.
  - Pursue higher utilization of large, single-use spaces (cafeteria, auditorium, gym).
  - Provide spaces that can be quickly and easily adapted by teachers and students.
- Provide a variety of spaces to accommodate all learning styles:
  - Reassign existing facilities to provide for varying spaces.
  - Provide breakout areas for flexible learning spaces.
- Incorporate formal and informal learning spaces.
- Use school building and the local community.
- Invite and provide for different community elements in the school (i.e., teen community, parent community, general public, etc.)
- Accommodate all users students, faculty and parents.
- Use non-assigned circulation space for learning.
- Allow for protected exterior space as extension of the learning space.
- Balance the need for a securable facility with the desired characteristics of open, collaborative and aesthetically pleasing space.
- Create buildings that allows maintenance and custodial easy to access, such as making all light fixtures being accessible for service with a ladder, make windows and architectural elements within easy reach for cleaning.
- Consider distributing media areas (library, technology) throughout the school.
- Consider the Apple Computer retail store as a model for learning spaces that are open, inviting, and participatory with specialty areas for targeted support functions.
- Consider the openness and flexibility in the layout of a professional office as a model for learning centers.
- Building patterns to consider:
  - Visually supervised open space
  - Central greeting / gate keeper
  - Signature identity spaces, in part to aid transition of transferred students
- Distribute technology throughout the school.





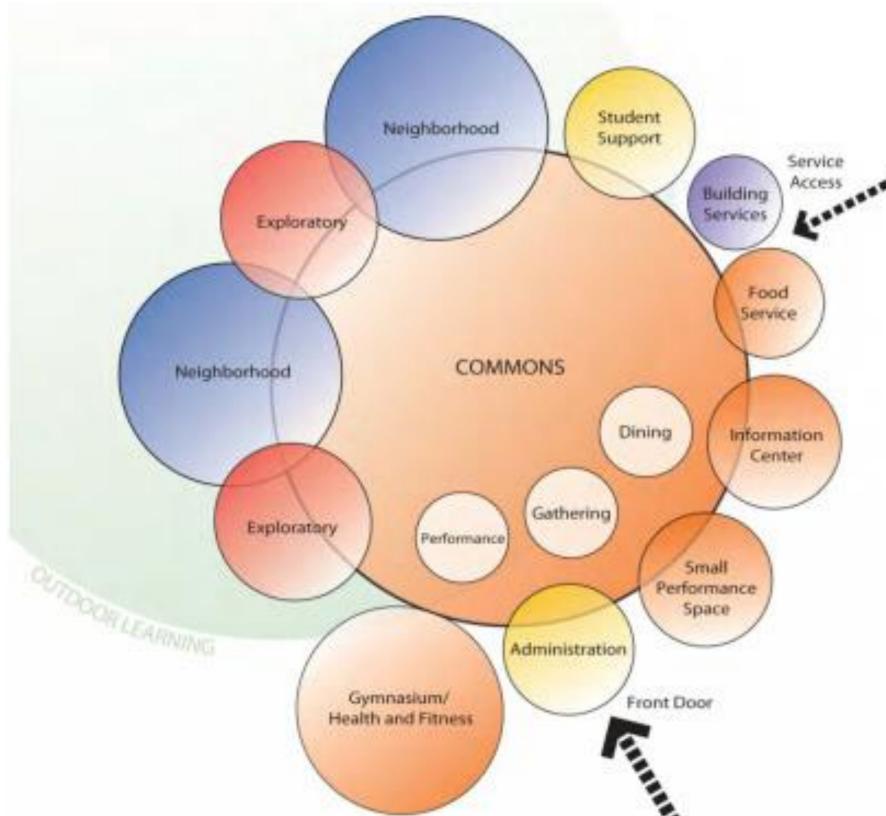
#### FLEXIBILITY OF THE LEARNING ENVIRONMENT

Today, students do not just work in groups of 20-25. As technology continues to advance, students are becoming more involved in extensive individual learning activities that are supplemented by small group (2-6 students), moderate group (10-20), and large group (50-150) activities. Space should be provided for students to plan, work independently and collaboratively, and give and/or receive tutoring as well as accept instruction.









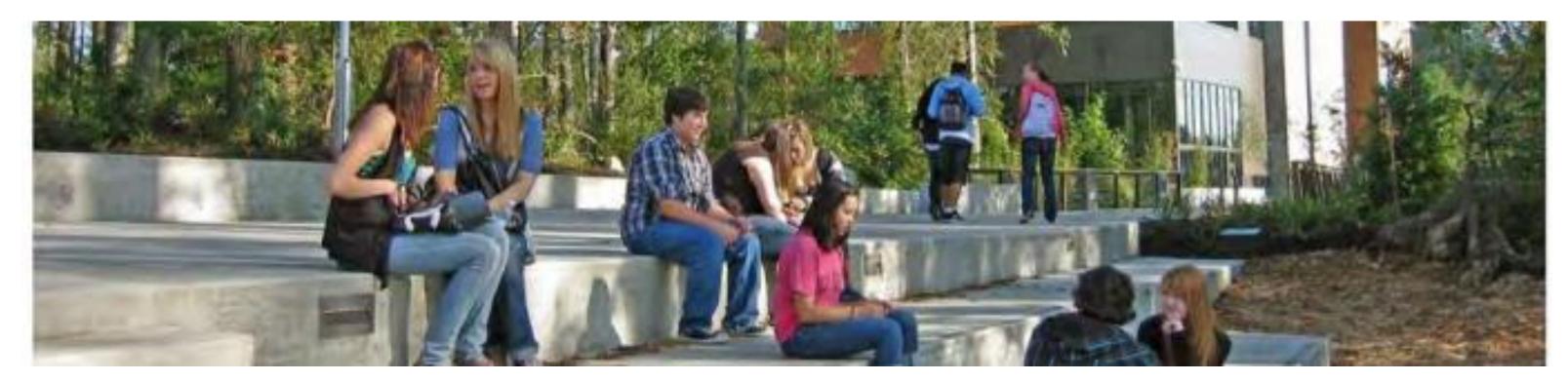
#### **BUILDING SPACE TYPES**

- General Learning Settings
- Common Shared Spaces
- Exploratory Spaces
- Student Support Functions
- Building Services
- Outdoor Spaces.





Outdoor learning areas should be provided to the greatest extent possible. Every discipline should have access to an outdoor classroom. The design of this space should be coordinated with the local school, taking into account ongoing programs, local topography, and other site specific opportunities. Convenient connections to outdoor learning spaces should be made from neighborhoods, the "Commons," adjacent parks (where applicable), and pick-up/drop-off areas. All exterior spaces should have good sight lines and be easy to supervise.





# **BUDGET / COST SUMMARY**

Building A	\rea :	Summary (Ne	w C	Construction a	nd	Renova	tion)	Cost	ts					
Space Name	New Construciton		Major Renovation	Area (ES Cafeteria)	Major Renovation	Area (ES Library, Admin)		Major Renovation	Area (ES Multipurpose)	Major Renovation	Area (ES Restrooms)	Minor Renovation	Area (Reuse of existing spaces)	
Total Gross Square Feet / Calculated Occupant Load		92,250		15,436			6,463		6,890	)	2,746			48,953
Cost (\$/SF)	\$	213 298	\$	116	\$		116	\$	116	\$	116	\$		20
Subtotal	\$	19,649,295	\$	1,790,617	\$	749	9,687	\$	799,240	\$	318,536	\$		979,069
Total Estimated Project Cost	\$												24,	286,444





## DESIGN CHALLENGES

#### Design:

- Topography
- Traffic Flow
- Site Access
- Existing Buildings

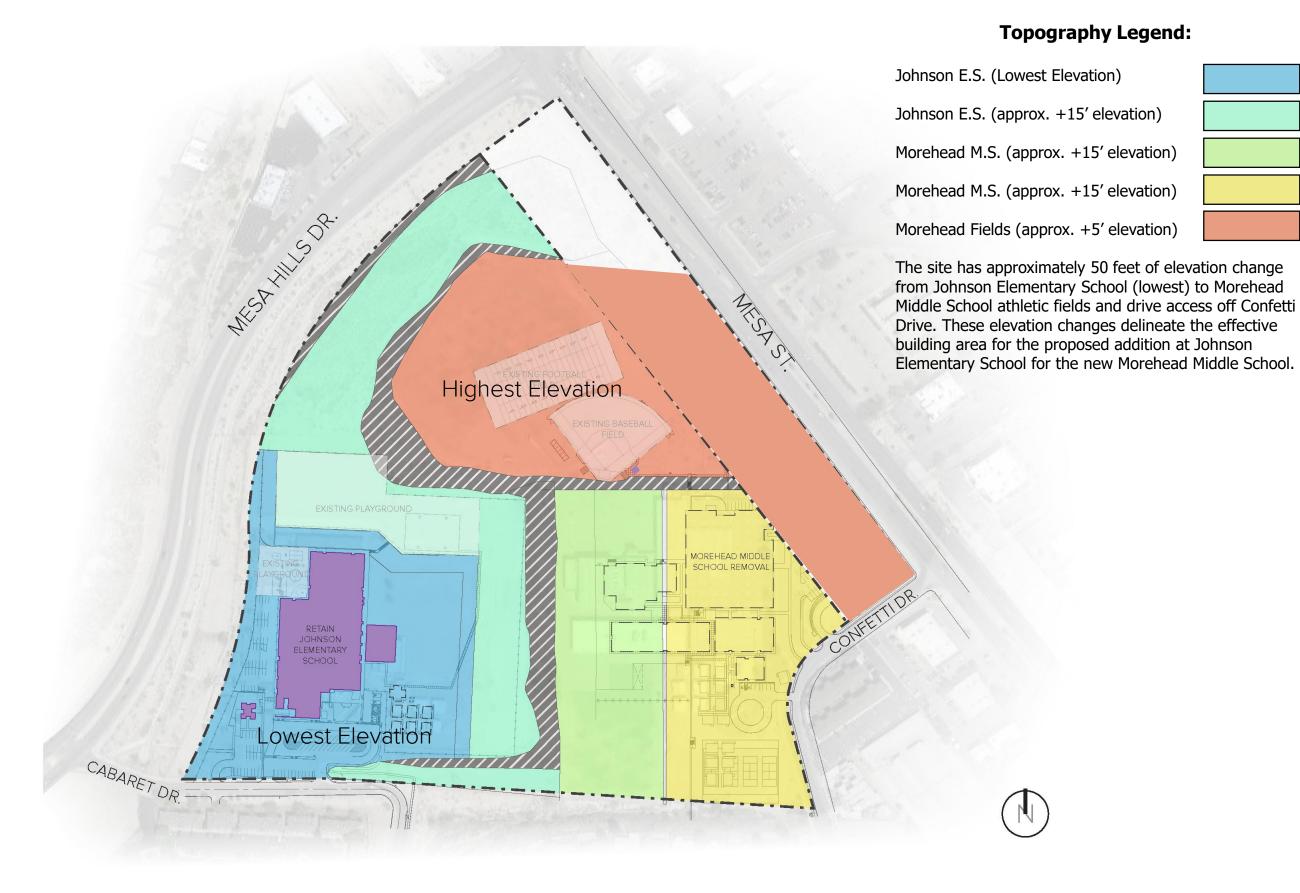
#### Construction:

- Sequencing
- Limited Work Area
- Staging







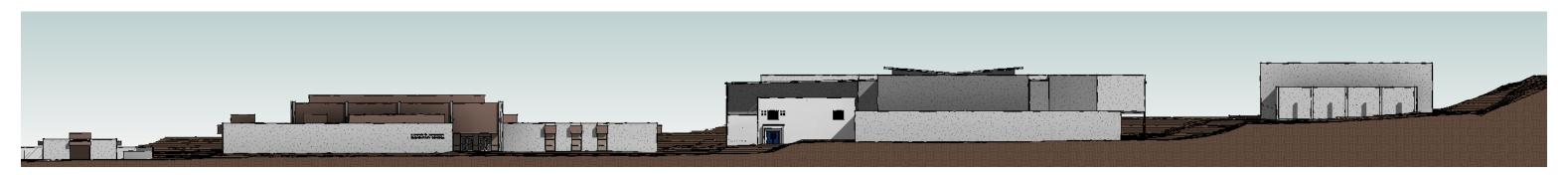






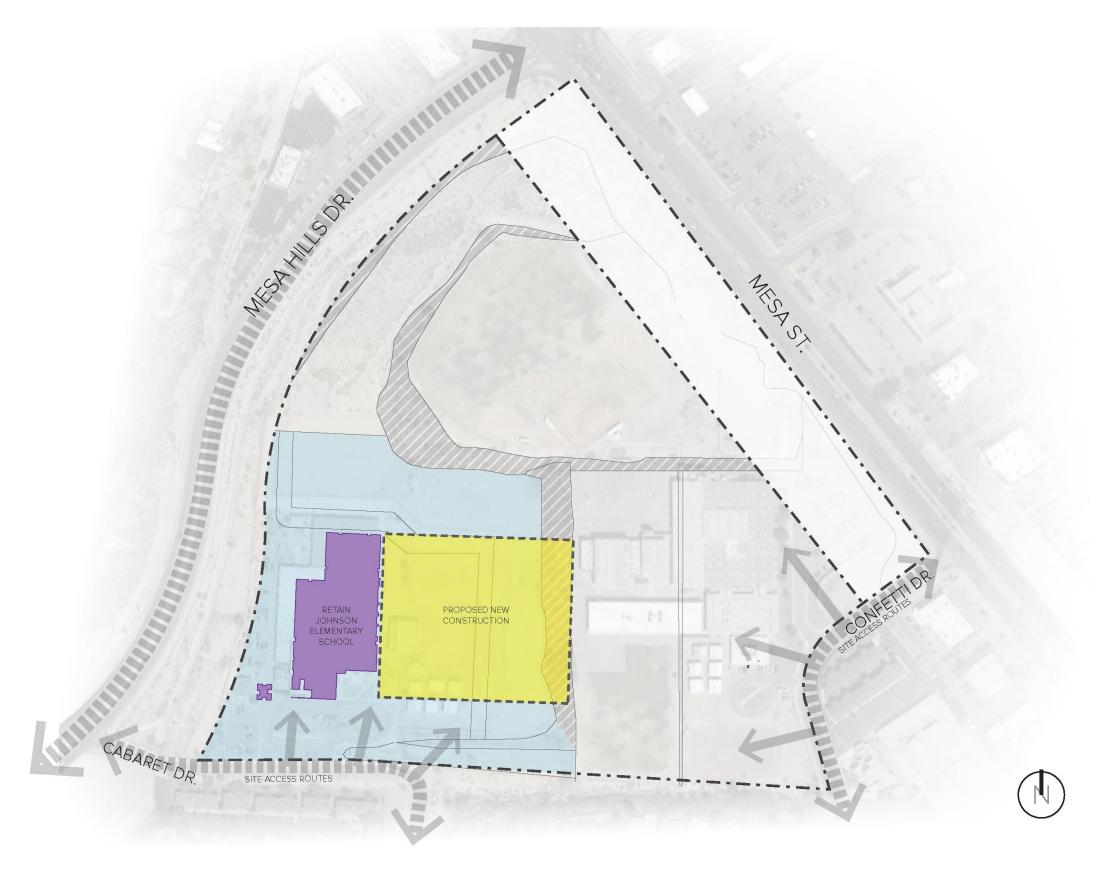


Panorama photo of site and building area showing topographic challenges



Conceptual massing front elevation showing topography















# PROJECT SCHEDULE

Design, Bid and Award	2017	2018	2019			
Design, blu and Award	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D			
Programming						
Schematic Design						
Design Development						
Construction Documents						
Bid / Award of Construction Contract		1				
Construction and Move-In	2019 J F M A M J J A S O N D	2020 J F M A M J J A S O N D	2021 J F M A M J J A S O N D			
Construction of New Morehead MS			*			
Renovation of Johnson ES			*			
Site Work		2	3 *			
Students Move In			4 *			

- 1 Timeframe to collect contractor bids, evaluate for best value, make recommendation, board approval for contract, contract negotiations.
- 2 Sitework related to new construction that does not affect the existing site to remain operational while Johnson Elementary School is still open.
- 3 Completion of sitework related to reworking site access, drives, etc. in front of existing Johnson E.S. cannot be done when school is operational.
- Students move in Fall 2021 to both Morehead MS and renovated Johnson ES.
- \* Denotes contractural Substantial Completion date in bond program.



# **DESIGN INSPIRATION**

#### Interior Design Inspiration Collaboration Education







In 21<sup>st</sup> Century Innovative Learning Environments, collaboration spaces for various size group use is essential.

Space that is convertible with rearrangement of furniture and moveable and/or transparent walls.

Transparency for passive supervision so students can work anywhere, no longer just sitting at desks in a classroom.

Distributed technology and materials for hands-on and active learning environment.

Use of materials (ceilings, floors, finishes) to establish zones, not just fixed walls.



## Interior Design Inspiration Collaboration Education











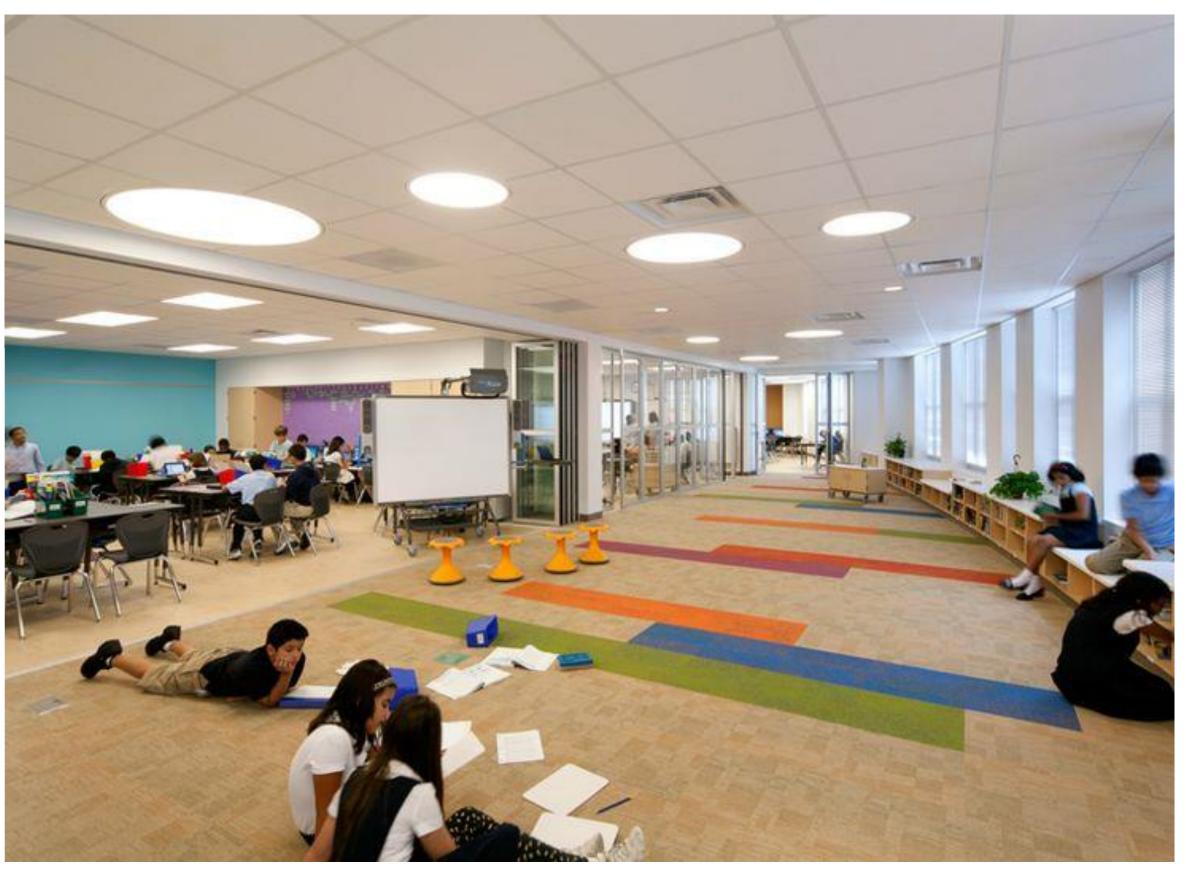


### Interior Design Inspiration Collaboration Education













#### Interior Design Inspiration Collaboration Education

















Circulation is more than just hallways. Education and learning occur here too.

Why dedicate more than thirty-percent of the building to a function that occurs only a few times a day?

Make circulation space inviting and able to easily be supervised to allow use as extension of classroom and to "bleed" into and become collaboration space.

Blur the edges of the hallway and the classroom to provide even more flexible learning space. An 800 square foot classroom suddenly can become 1,000 square foot of learning space at no added construction cost.



#### Interior Design Inspiration Circulation as MORE than a Hallway











#### Interior Design Inspiration Circulation as MORE than a Hallway















Similar to the circulation spaces, why provide a large cafeteria, or commons, for only a few hours a day and for one function – eating?

The cafeteria becomes more of an extension of the outdoor community space becoming an interior, enclosed plaza with multiple functions and access to several building amenities.

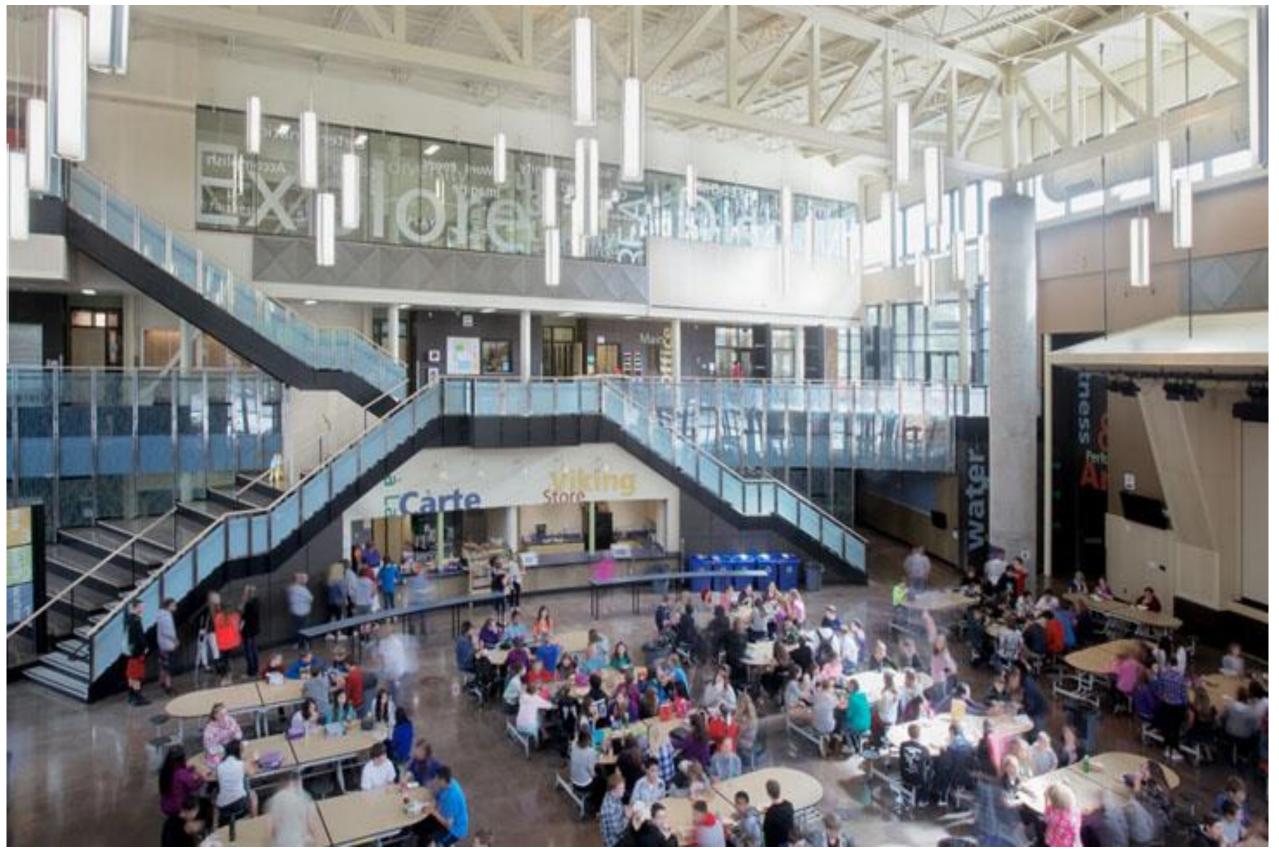
Direct access from administration and media center with easy community access.

Platform/ stage integrated into space, not "dedicated" space with little usage – let the students use it every day.







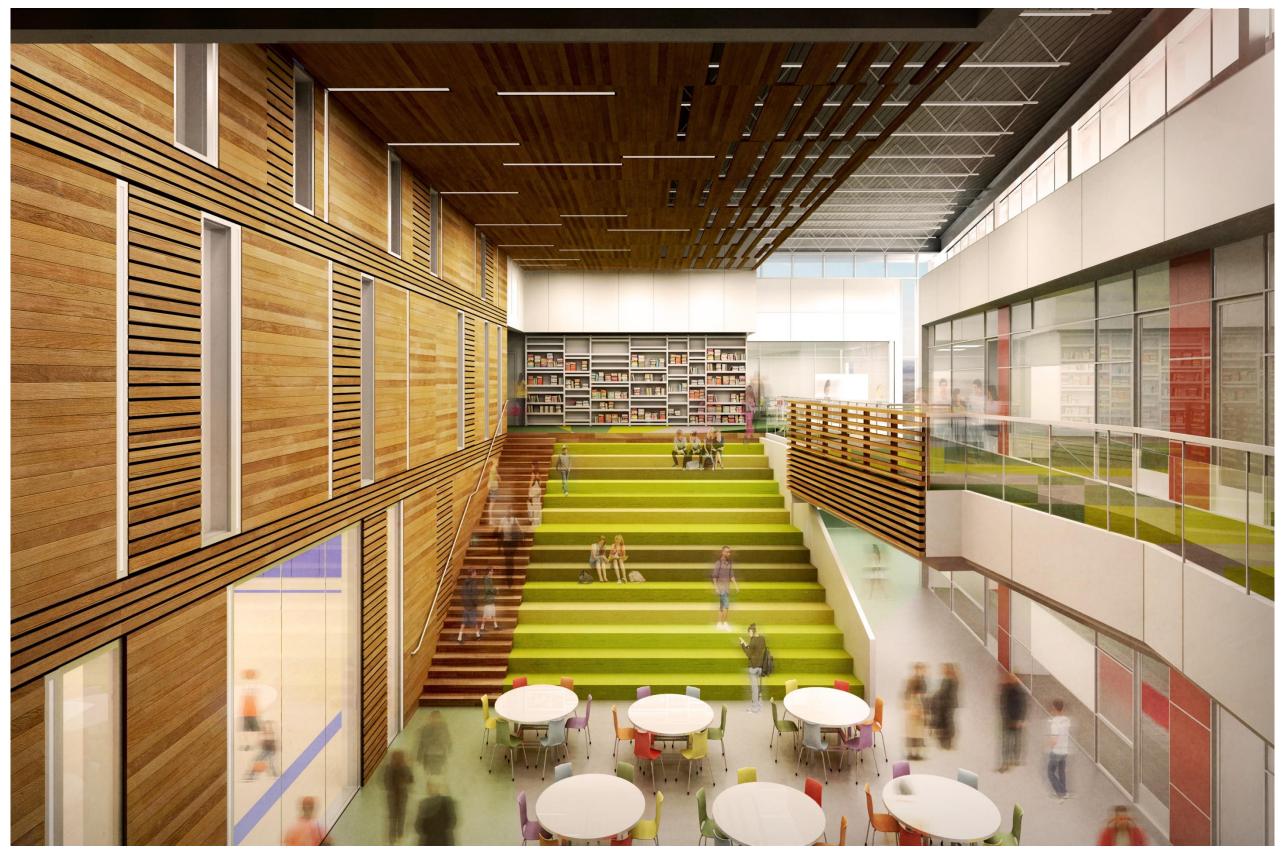




















With the proliferation of digital media, the library has undergone a complete identity change and is no longer just a "quiet" space for study, but a hotbed of student activity.

Distributed among Johnson Elementary School and Morehead Middle School to provide materials for students where they're located.

Collaboration, visibility, transparency. The library as a facilitator of more than the media center.

Starbucks model – various sitting areas, varying group instruction/ study areas, distributed technology.























# OUTDOOR SPACE / STUDENT CENTERED / COMMUNITY INTEGRATION





Outdoor spaces shall be student centered. While these spaces may be transitional and provide other functions (circulation, gathering, hardscape, landscape, etc.), their primary function and purpose is to provide opportunities for students' learning.

Spaces shall provide for education opportunities for individual and group study and instruction.

Spaces shall be safe and inviting and shall complement the buildings access, adjacencies to other functions and shall be outfitted to accommodate the local climate (shading, drought tolerant planting, appropriate materials, etc.)



#### **Student Centered**











#### **Student Centered**













Because of the lack of local community amenities surrounding the school, the design focuses on creating community/ public space that can be used by the school and students during the school day and by the community after hours.

Large public plaza creating defined building entrance.

Scale down from public street/ vehicle traffic to pedestrian scale – transition space.

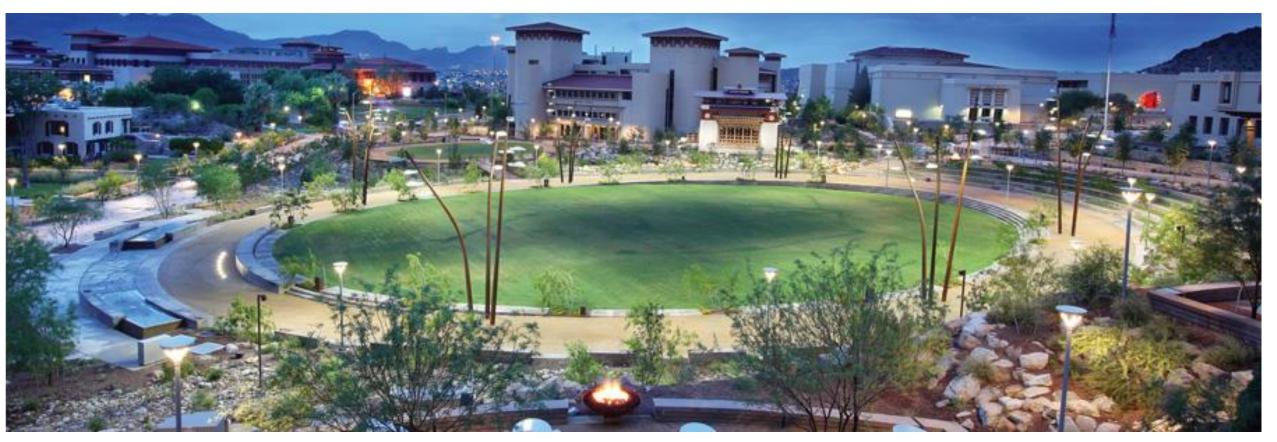
Prominent, welcoming entrance.

Support for large pedestrian population.



#### **Community Integration**











#### **Community Integration**

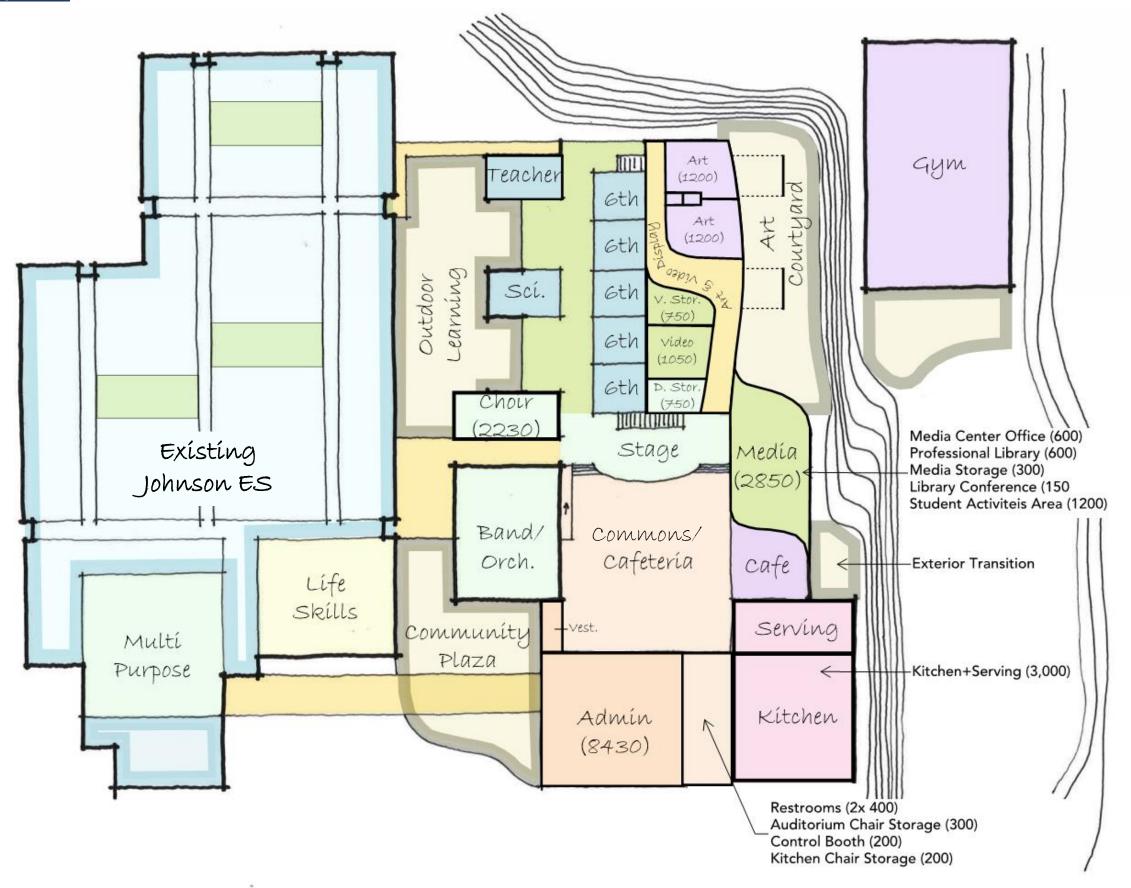






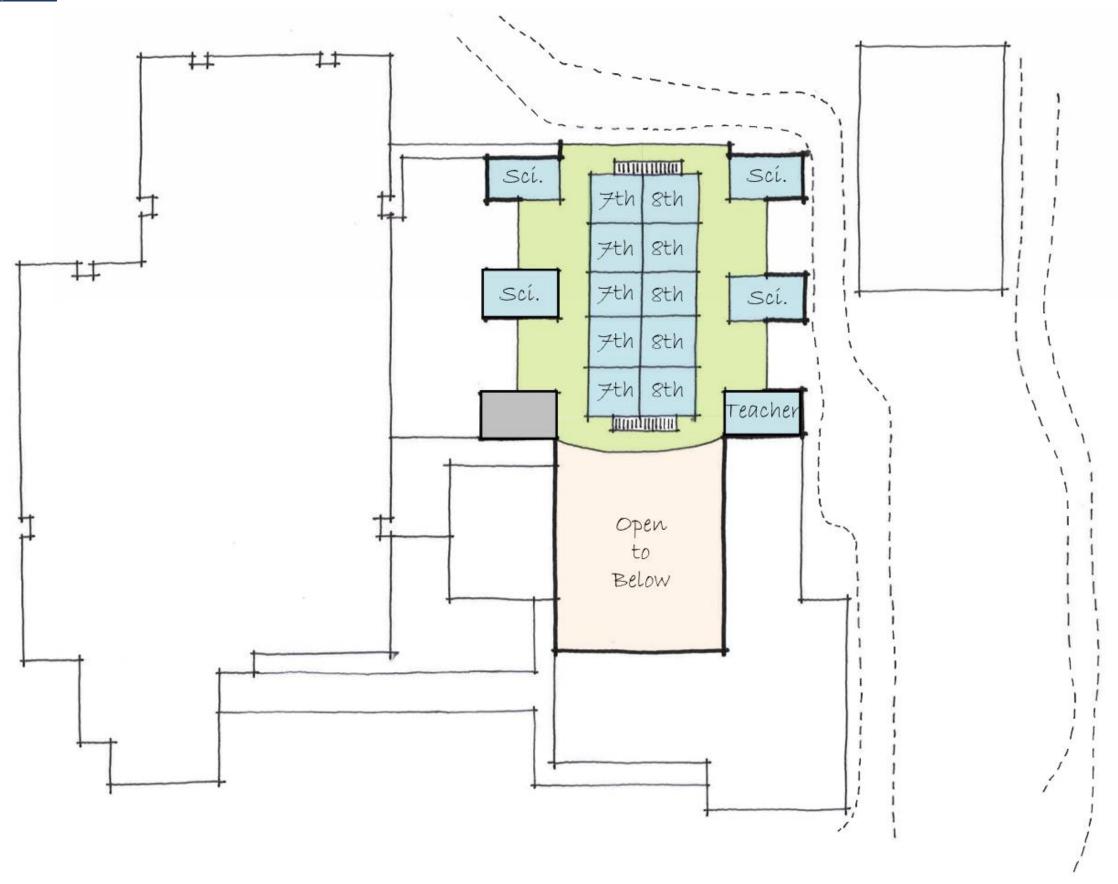


#### PROPOSED DESIGN SOLUTION







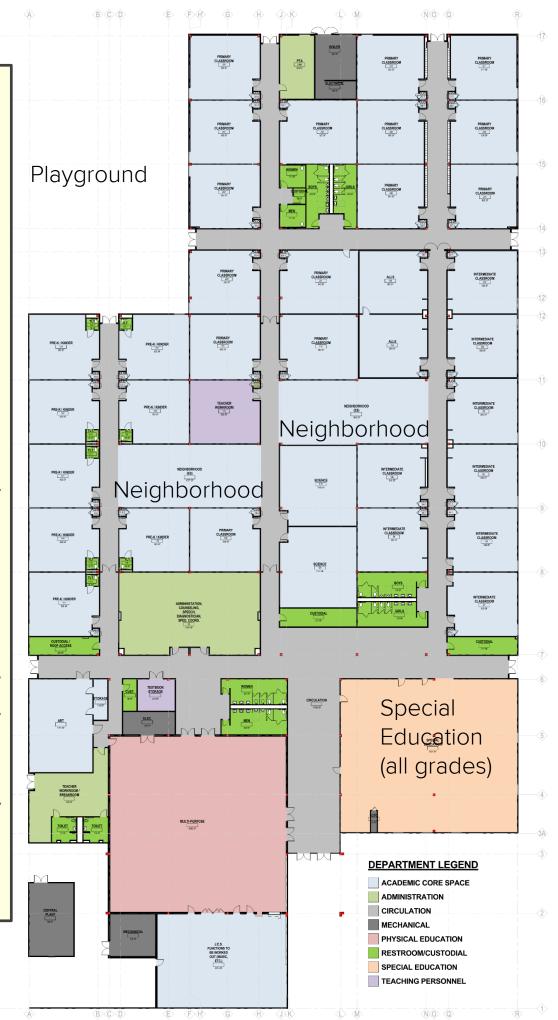






Existing Johnson ES will have renovation areas to create innovative spaces and provide collaboration, group activity and shared spaces within the existing building footprint.

With the relocation of dining and primary library to new building, spaces within Johnson can be expanded to open up hallways, reduce the cavelike effect of the long narrow hallways and give the space as much of a 21<sup>st</sup> century appeal as possible within the existing buildings to remain.



Renovation scope consists of finish upgrades to provide a 2:1st century appeal to the building.

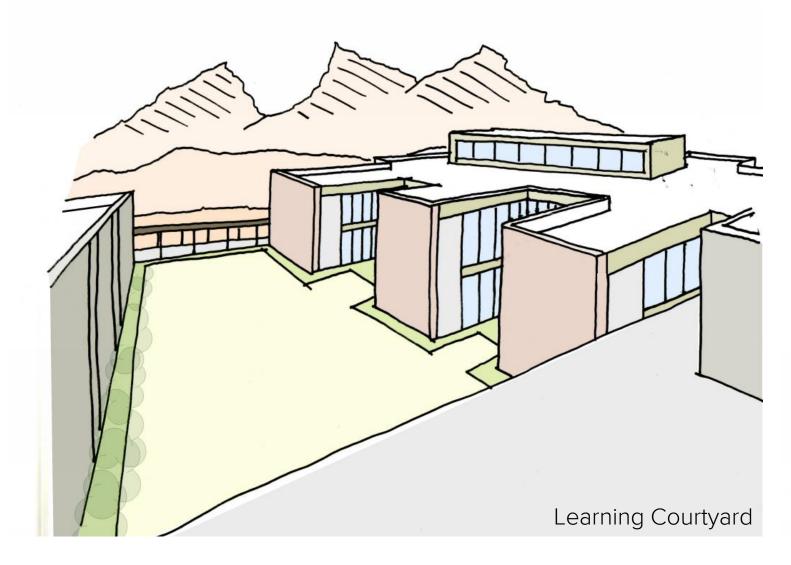
In addition to the major renovation and reworking of some areas, all spaces are scheduled to receive:

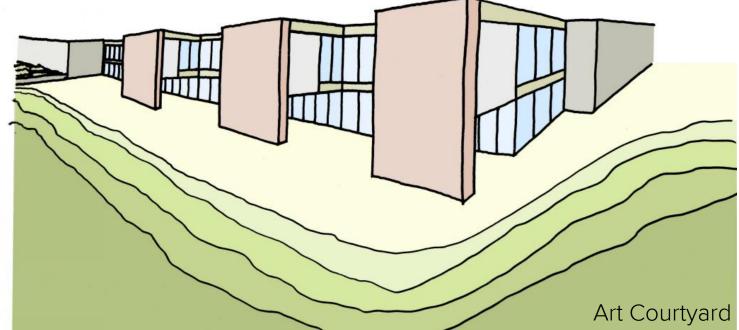
- New paint
- New floor finishes
- New ceilings
- Updated restrooms
- Fire Sprinkler (if req'd)
- Alternate for roof monitors/ clerestories
- Reworked entrance and security upgrades





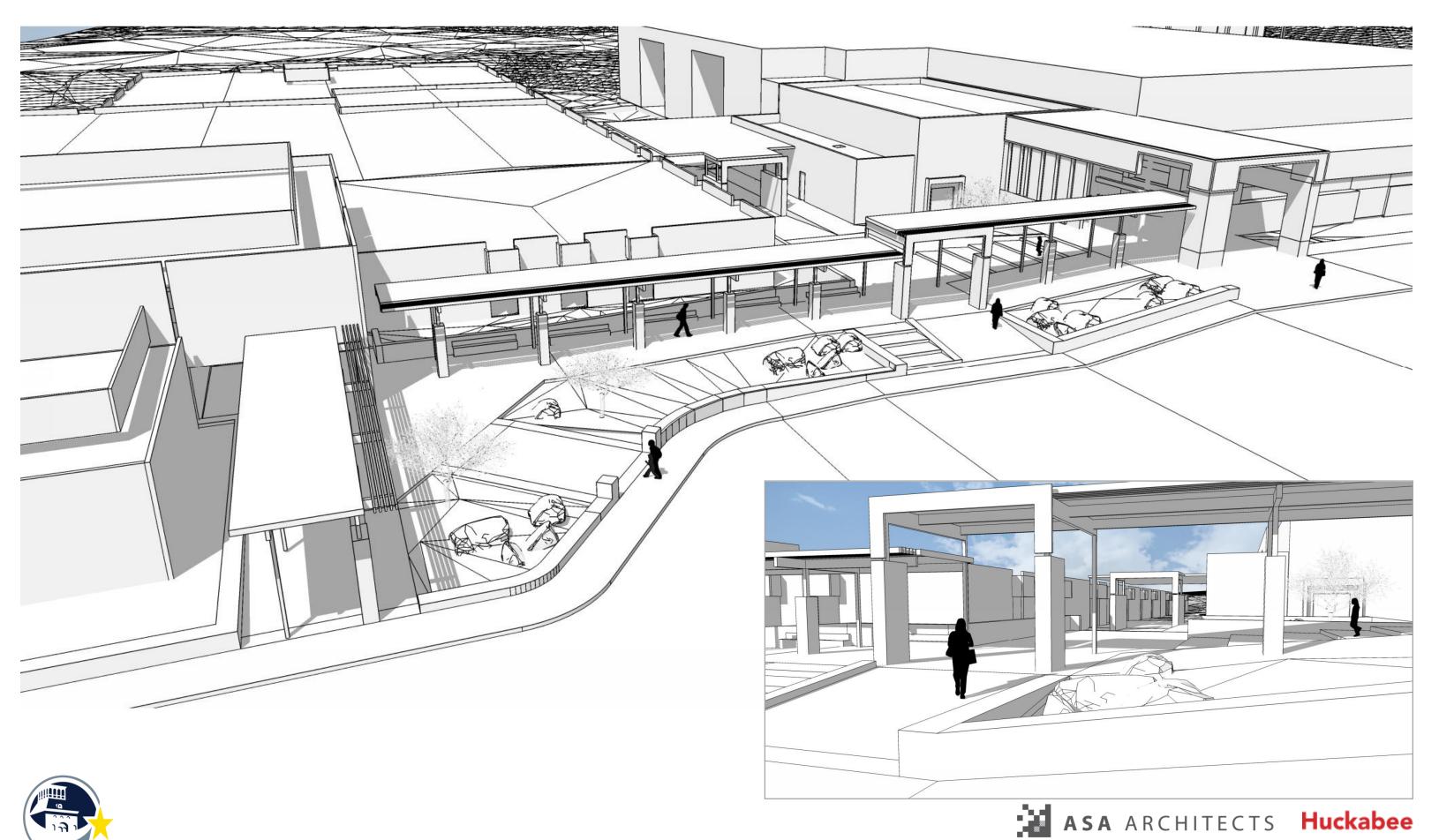














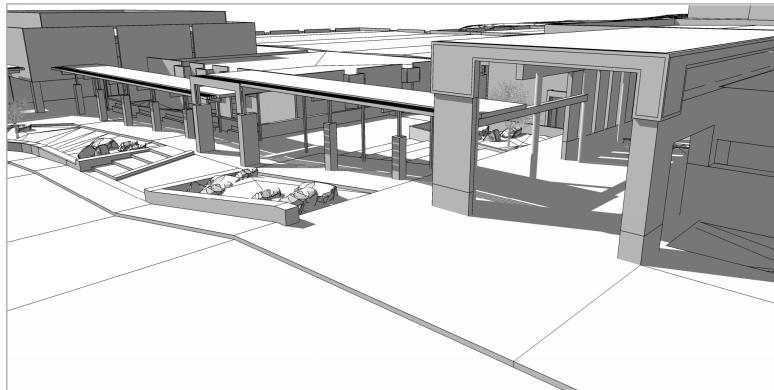


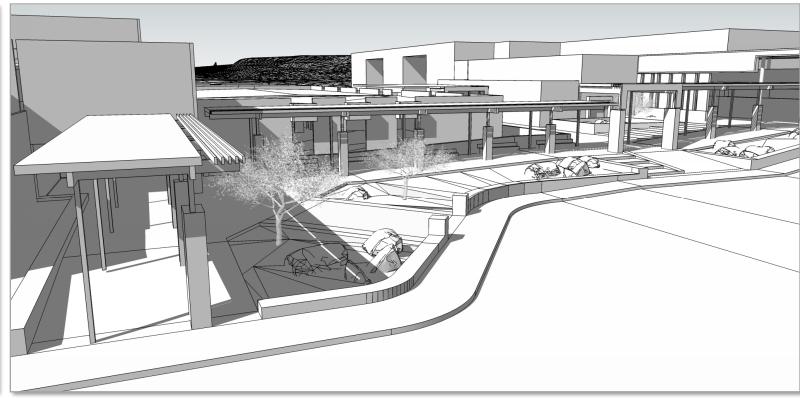










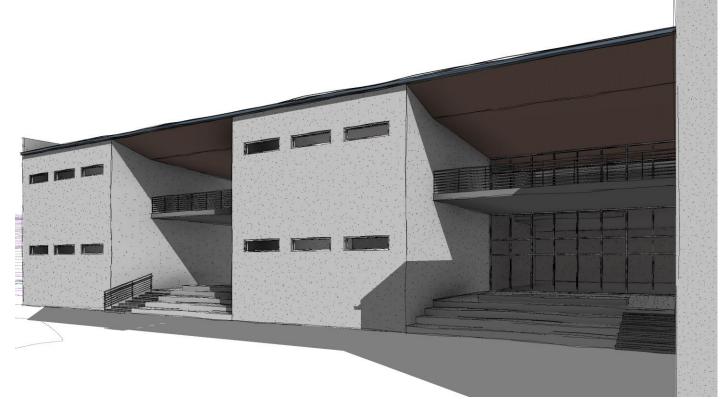












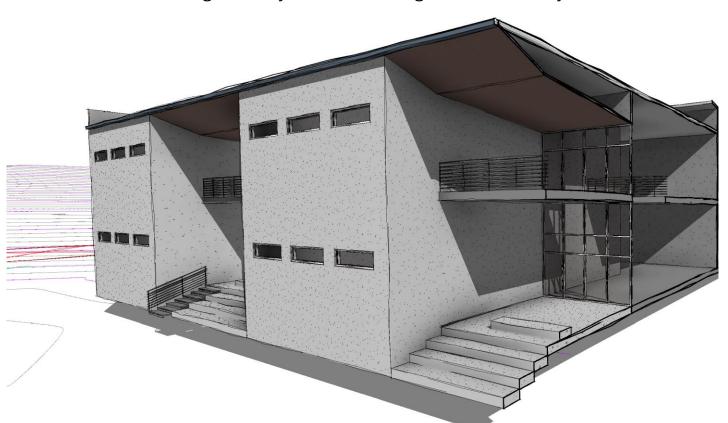
Learning Courtyard – looking at amphitheater seating and balcony



Interior – second floor collaboration space looking out to balcony



Learning Courtyard – looking back to entry/ front of school



Section perspective through amphitheater seating and balcony



## Group Design Activity

#### <u>Campus Image – Understanding what the Community Wants</u>

As groups (facilitated by ASA/Huckabee) discuss community desires for the image of the campus as it relates to the various community spaces - what do you as the community want as "amenities" for these spaces to make them functional and useful throughout the year and for various community functions <u>AND</u> what do you see as defining finishes and building materials that identify the campus.

- Break into three groups (approximate equal size) and assign group leader to discuss one of the following, then switch group facilitators to discuss the other:
  - Outdoor Community Space (campus courtyard, entrance, etc.)
  - Interior Community Space (commons, stage, etc.)
  - Exterior Building Materials and Finishes
- Assign community member leader(s) to share group thoughts with everyone for design team to take away important ideas and concepts for incorporation into final design.



# Final Thoughts / Questions / Feedback





## Thank You









### Huckabee