

# Welcome & Introductions

# **Spring Branch ISD**

• Scott Muri Ed.D – Superintendent of Schools

• **Jennifer Blaine** Ed.D – Assoc. Superintendent of Talent and Operations

• Travis Stanford Director of Planning & Construction

Kris Drosche Planning & Construction Project Manager

Lisa Weir Memorial High School Principal

## **Stantec Architects**

• Jennifer Henrikson Principal - Architect

Tracy Eich Principal - Architect

Mark Jackson Senior Project Manager – Architect

Jon Pippert Senior Project Architect – Architect

# **Project Advisory Team (PAT)**

MHS Community/Faculty/Student Members (20+ person group)

# Agenda: PAT Meeting #3

5 mins: 1. Welcome & Introductions + Overview

PAT Charge

PAT Process + Objectives/Goals

**Project Scope** 

**Project Schedule** 

5 mins: 2. PAT Meeting #2: Recap

Meeting Highlights and PAT Input Feedback

60 mins:

3. MHS Schematic Design Updates

Site Plan at the New Building

Floor Plans with enlargements

Renovation of old Cafeteria

**Historical Perspective of MHS** 

**Exterior Vignettes** 

5 mins: 4. Closing Remarks

Wrap-up / Next Steps

# Welcome + Meeting Overview

# MHS Project Advisory Team (PAT) - Charge

#### **OVERVIEW**

A Project Advisory Team (PAT) will be chartered for the planning of Phase I (Additions and Renovations) for **Memorial High School** under the school's project in the 2017 Bond Program.

#### **CHARGE**

Each Project Advisory Team (PAT) member is charged with providing input into planning and design development of Phase I (Additions and Renovations) for Memorial High School.

The PAT will meet in a series of meetings from initial planning through design to the start of construction.

The PAT will work collaboratively and cooperatively with the architect and SBISD Project Manager to conceptualize, develop and refine the project's goals and design.

The PAT will reach a proposed recommendation through consensus.

The PAT will <u>advise on recommendations</u> regarding the planning and development of the Phase I (Additions and Renovations) for Memorial High School.

# **PAT Charge**

# Welcome + Meeting Overview

# MHS Project Advisory Team (PAT) - Charge

# **CHARGE** (continued)

These <u>recommendations will be presented</u> by the project's architects:

- 1) to the Superintendent of Schools, and based on approval from the Superintendent,
- 2) to the **Board of Trustees** for their approval.
  - All recommendations must be in alignment with the District's Educational Specifications and Design and Construction Standards.

The Board of Trustees may act upon the recommendations developed with PAT input by approving, amending, altering or not approving all or any part of the recommendations.

Areas of focus from which the PAT should refrain include recommendations regarding school programs, policies and procedures, boundaries of district facilities, instructional arrangements and/or educational pedagogy decided upon and/or subject to District, State and Federal laws.

Project Advisory Teams are essential participants in the planning and design process. Team members are asked to agree to participate in various meetings throughout the process.



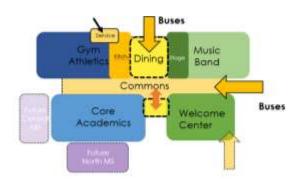
# Meeting Schedule

# Memorial HS | PAT Engagement Process



PAT Process + Objectives/Goals

# CONCEPTUALIZE

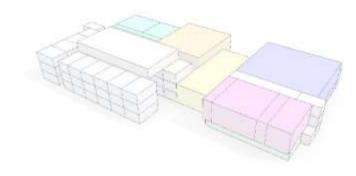




Concept-Ideas Diagrams

#### **EXPLORE**

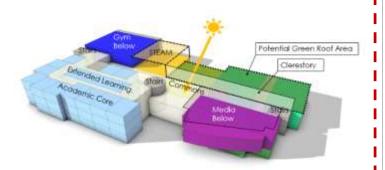




Concept-Floor Plans
3-D Blocking & Stacking

#### **DEVELOP**





Floor Plans – Furnishings Building Shape & Massing

#### **REFINE**







Revit Plans Architectural Expression



# Project Scope

- Additions and Renovations of Memorial High School (Phase I of the Master Plan)
- On Site Construction and Transition
- Estimated 140,000 SF new Multi-Level Building based on SBISD High School Educational Specifications
- Demolition of Aqua Wing, White Wing, Green Wing, and
   Science (Silver, Violet, Magenta) and Engineering Buildings
- Renovations to remaining spaces to include MEP upgrades, security, life safety, and minor cosmetic improvements
- Site work to include: Tennis relocation, additional parking and vehicle stacking, parent drop, bus loop, and one artificial turf field
- Estimated 2 year construction + Summer/Fall 2019 work



# Proposed Project Schedule

- Schematic Design Phase January March 2019
  - ✓ PAT Meeting #1: January 24, 2019
  - ✓ PAT Meeting #2: February 5, 2019
  - PAT Meeting #3: February 27, 2019
- Design Development Phase April June 2019
  - PAT Meeting #4: April 9, 2019
  - PAT Meeting #5: May 14, 2019
- Construction Documents July November 2019
- Procurement & Permitting Dec 2019 March 2020
  - GMP/Construction Contract recommendation to the Board of Trustees: March 2020
- Construction Administration April 2020 June 2022\*
  - \*Summer/Fall 2019
  - Renovation work Summer #2 2020 (and 2021 if needed)
  - Complete New Building; approx. April 2022
  - Demolition of Existing Buildings; approx. April June 2022

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#### 60 mins:

## 3. MHS Schematic Design Updates

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Floor Plans with enlargements

Renovation of old Cafeteria

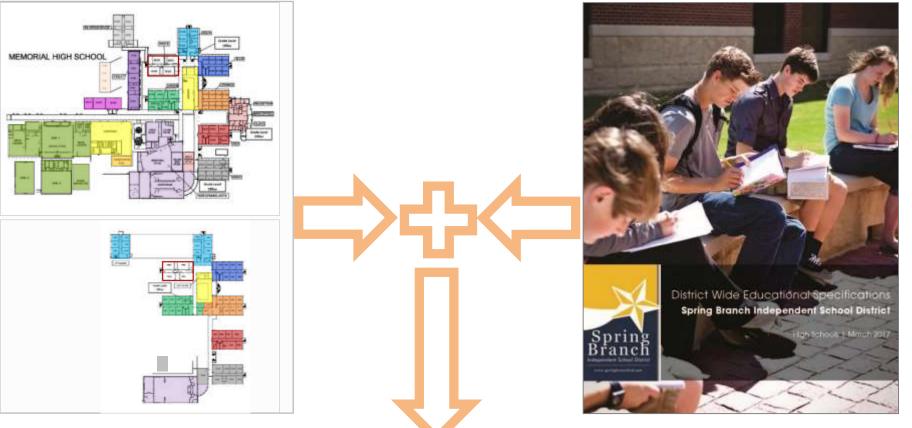
Historical Perspective of MHS

**Exterior Vignettes** 

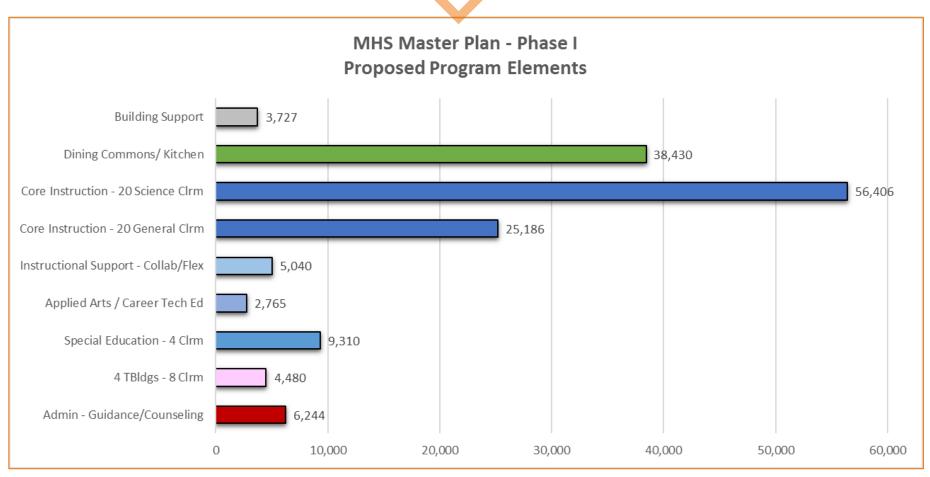
## 5 mins: 4. Closing Remarks

Wrap-up / Next Steps

**SBISD 2017 Capacity Study** 



SBISD 2017 High School Education Specification





# Phase I of Master Plan 1. funds Cord Complex 2. Phase I - New Building 3. Student Plana 4. Bu Crop-OH & Stoff Parking 8. Access Drive - Student Purking 12. Phase I - New Building 13. Student Plana 4. Bu Crop-OH & Stoff Parking 14. Bu Crop-OH & Stoff Parking 15. Phase I - New Building 16. Access Drive - Student Purking 17. Maint Entry- Visitions 18. Access Drive - Student Purking 18. Access Drive - Student Purking 19. Phase I - New Building 19. Phas

# 1. Tennis

Relocate Tennis + New Support Space

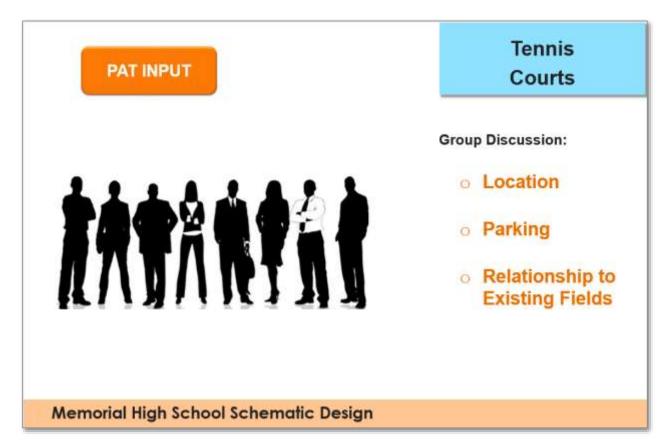
# 2. Floor Plans

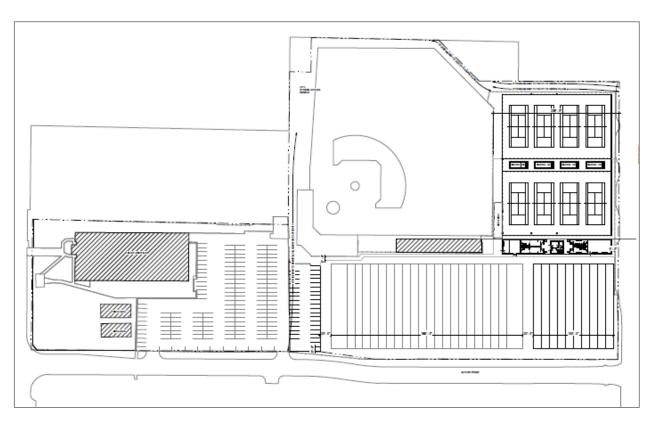
Overall Plan Layouts

# 3. Teaching and Learning

 Variety of Learning Spaces and Flexibility







## **Tennis Courts**

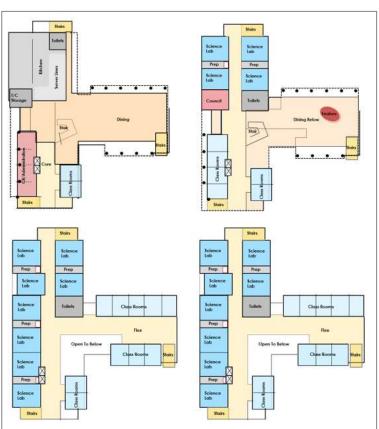
#### **POSITIVES**

- Good location that frees up space for the new building
- Field House with Tennis
- Moving parking closer to existing lot
- N/S orientation keeps balls off the street
- Least disruptive to the campus
- Connection to adjacent parking
- Shaded seating
- Courts will have lights

#### **QUESTIONS / CONCERNS**

- Spectators on the ends not the sides
- Secure fencing from Piney Point?
- Need public access from Piney Point
- Why public toilets? School functions only.
- Public toilets for all hours?
- No possibility to expand tennis
- Netting for balls to avoid the BB field





## Floor Plan Review

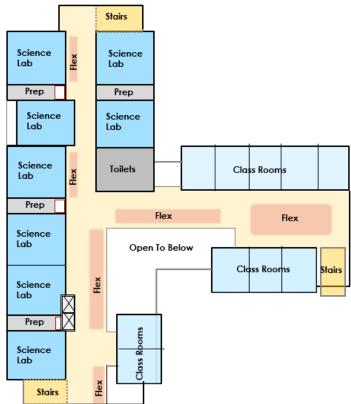
#### **POSITIVES**

- Good floor plan, well thought out
- Set up dining like a college campus (Food options, Seating variety)
- Subject grouping (Science + M/SS/E)
- Flex spaces, walls, and furniture
- Outdoor connection from dining
- Build "up" not "out"
- Exterior Light / Open Feel

#### **QUESTIONS / CONCERNS**

- Noise from Cafeteria to 2<sup>nd</sup> floor
- Safety (Glass, Stairs with heavy books)
- Balcony safety & multiple floors
- Time to go up/down the stairs
- Noise from flex spaces (testing)
- Food smells and science lab chemical (separation)
- Flex spaces will never be used?
- Large enough bathrooms for "Mega Lunch"
- Classroom proportions
- Make cafeteria lines long enough





## **Teaching and Learning**

#### **FEEDBACK**

- Flexibility is critical (furniture, wall surfaces)
- Floor-to-ceiling writable surfaces
- No true "front" to a classroom
- Flexible technology (power/data)
- Comfort: dimming lights, temp controls
- Operable walls?
- Paperless
- Extra power for charging devices
- Project to any wall surface
- Large open classrooms for multiple activities
- Will flex areas be used or be disruptive?
- Need adequate teacher storage
- Small group personal learning

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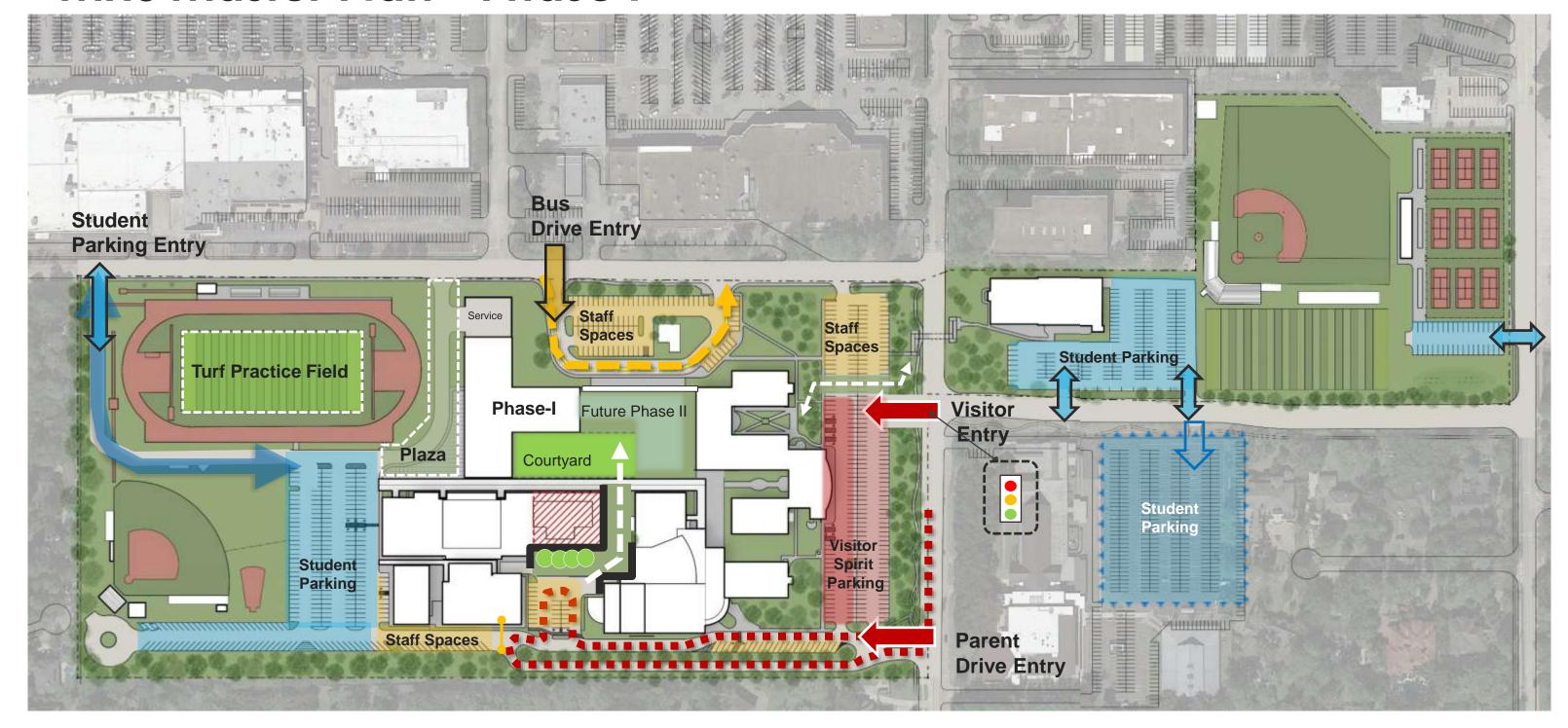
Historical Perspective of MHS

**Exterior Vignettes** 

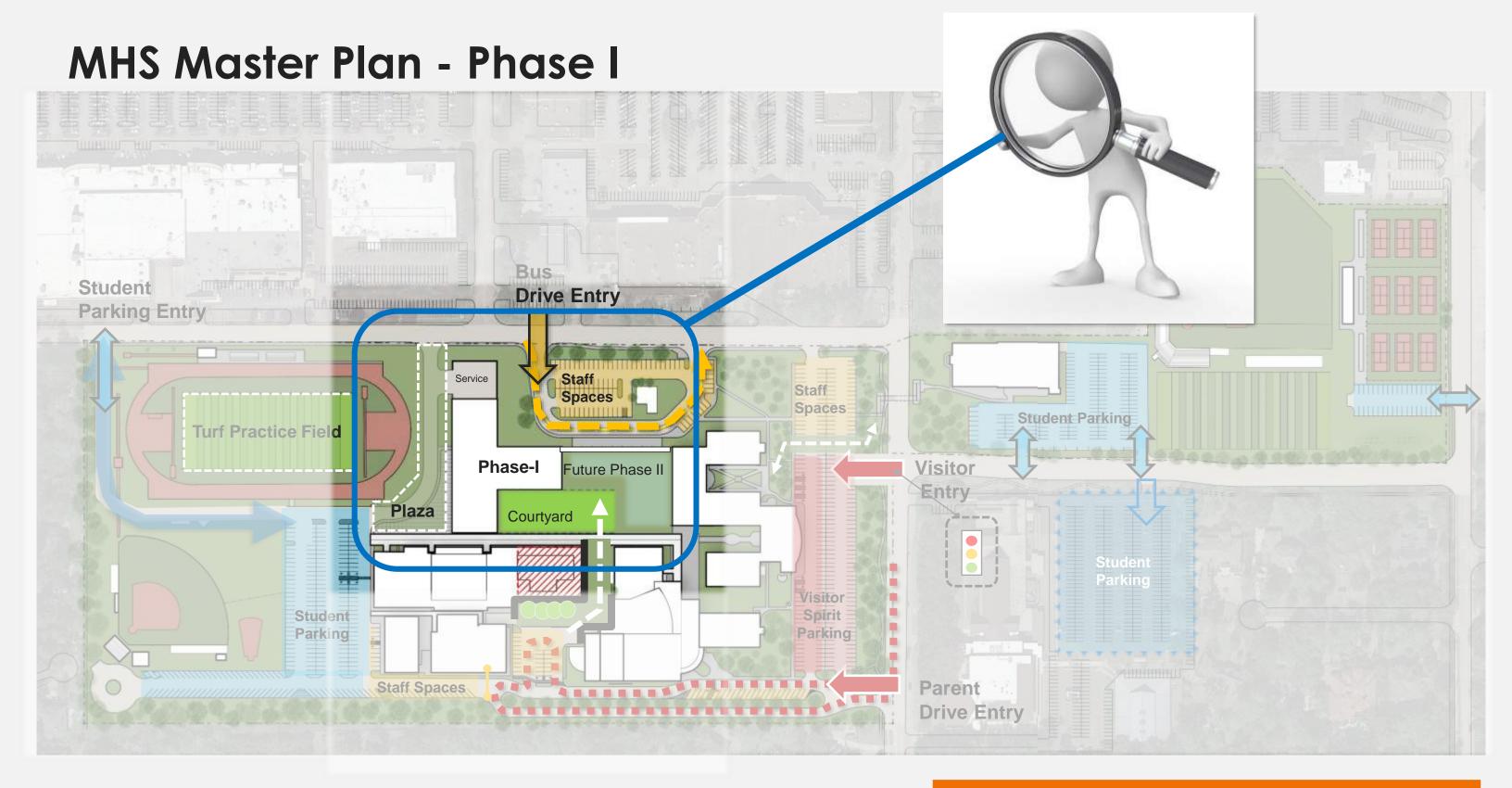
## 5 mins: 4. Closing Remarks

Wrap-up / Next Steps

## MHS Master Plan - Phase I

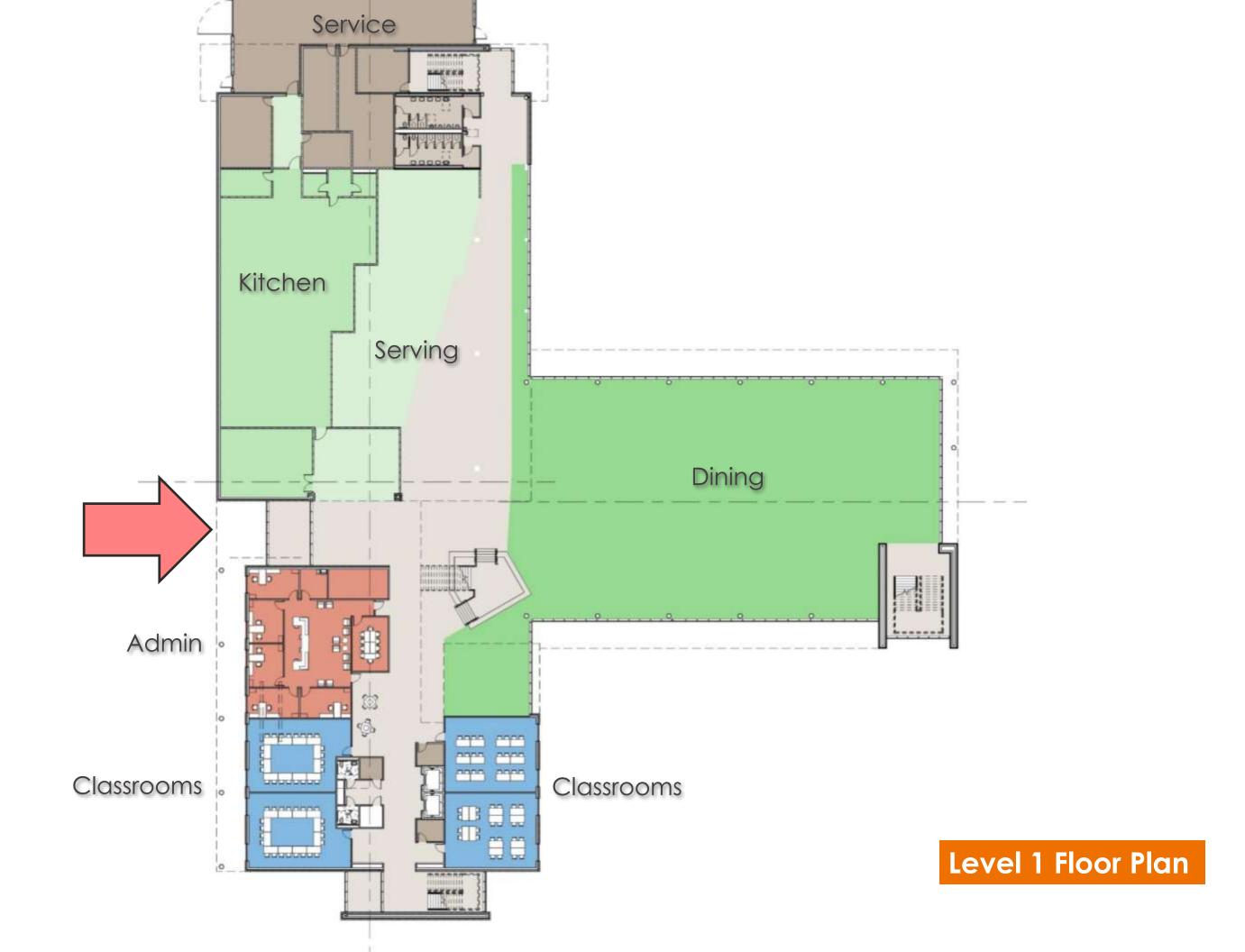


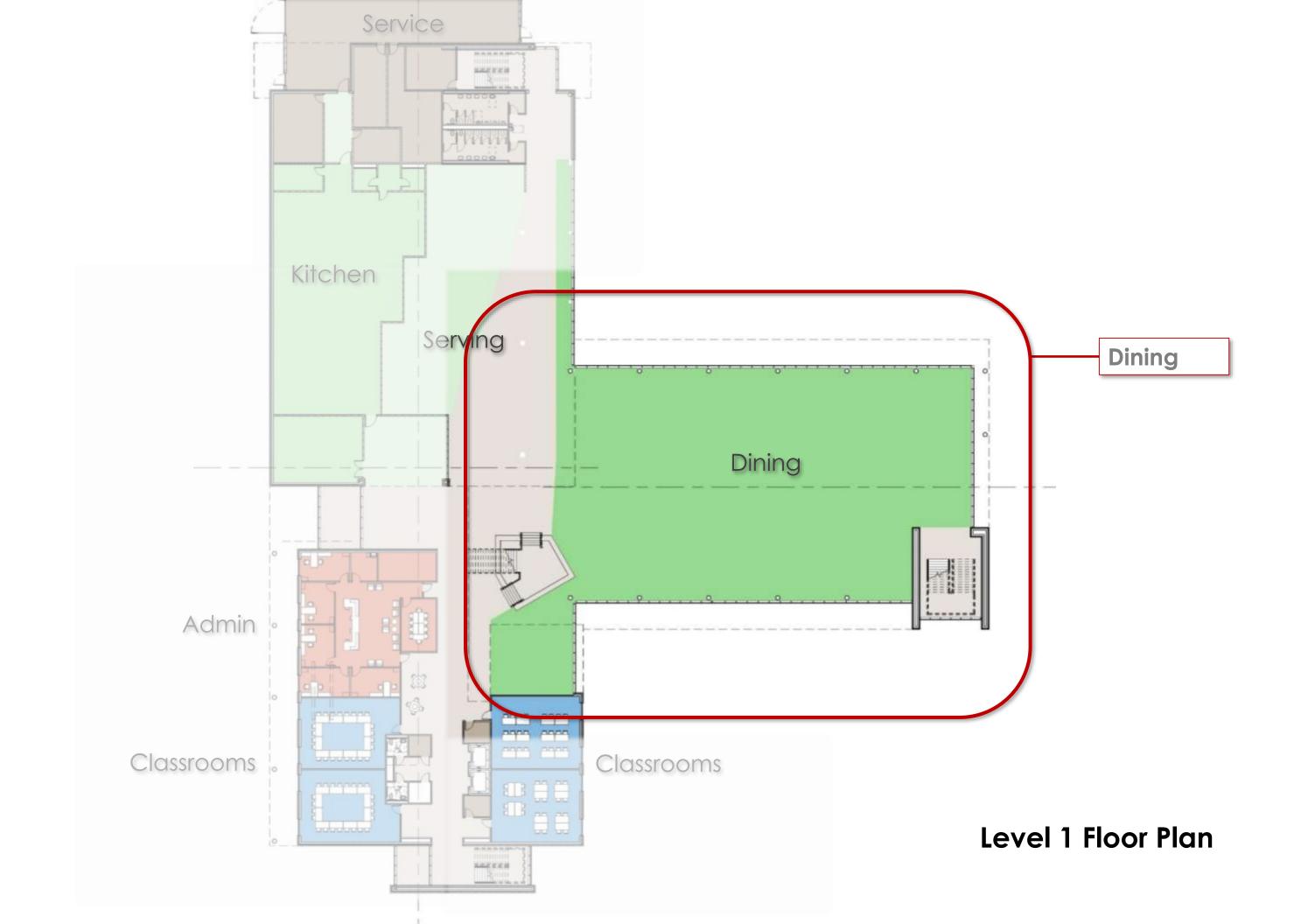
**Phase I: Completed Condition / Access Points** 



**Phase I: NEW CONSTRUCTION** 







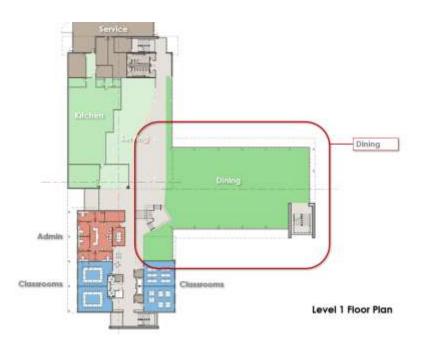
# **Dining**

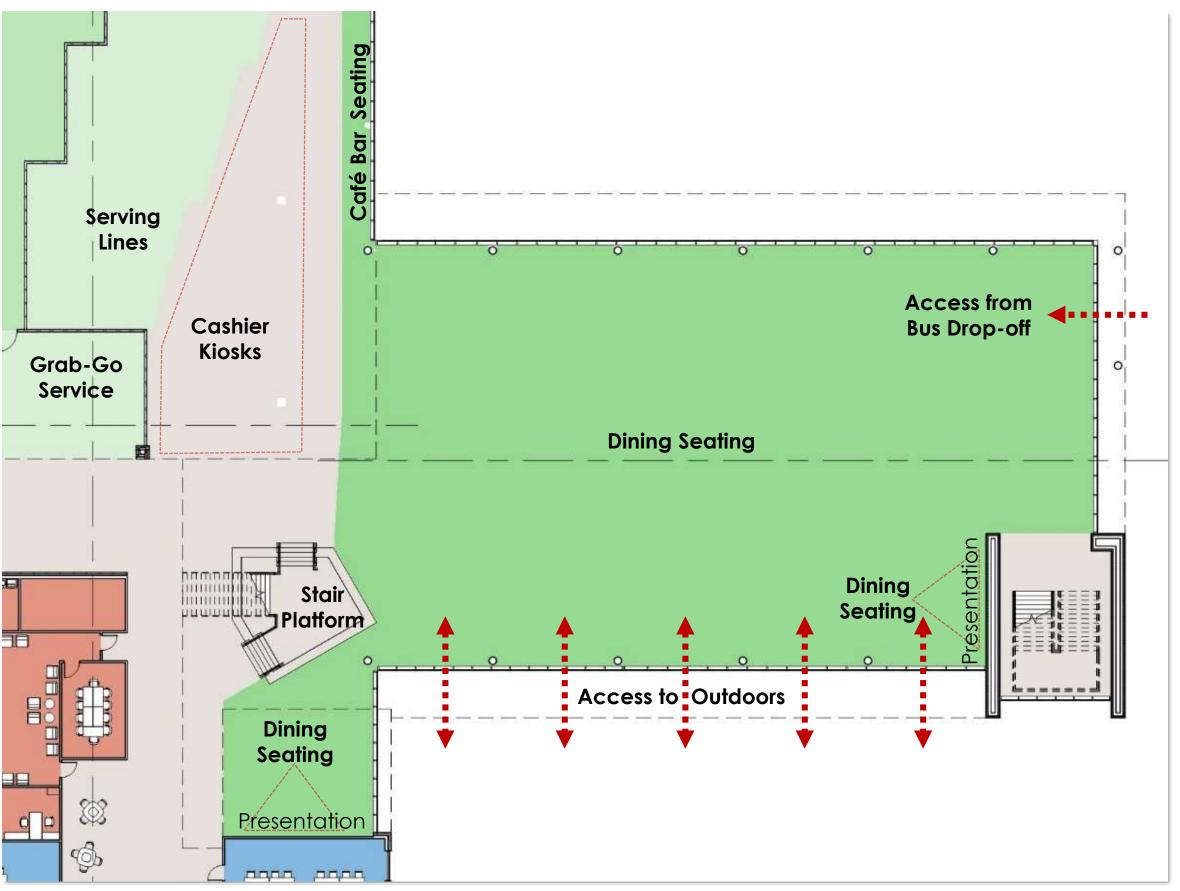
Mega Lunch

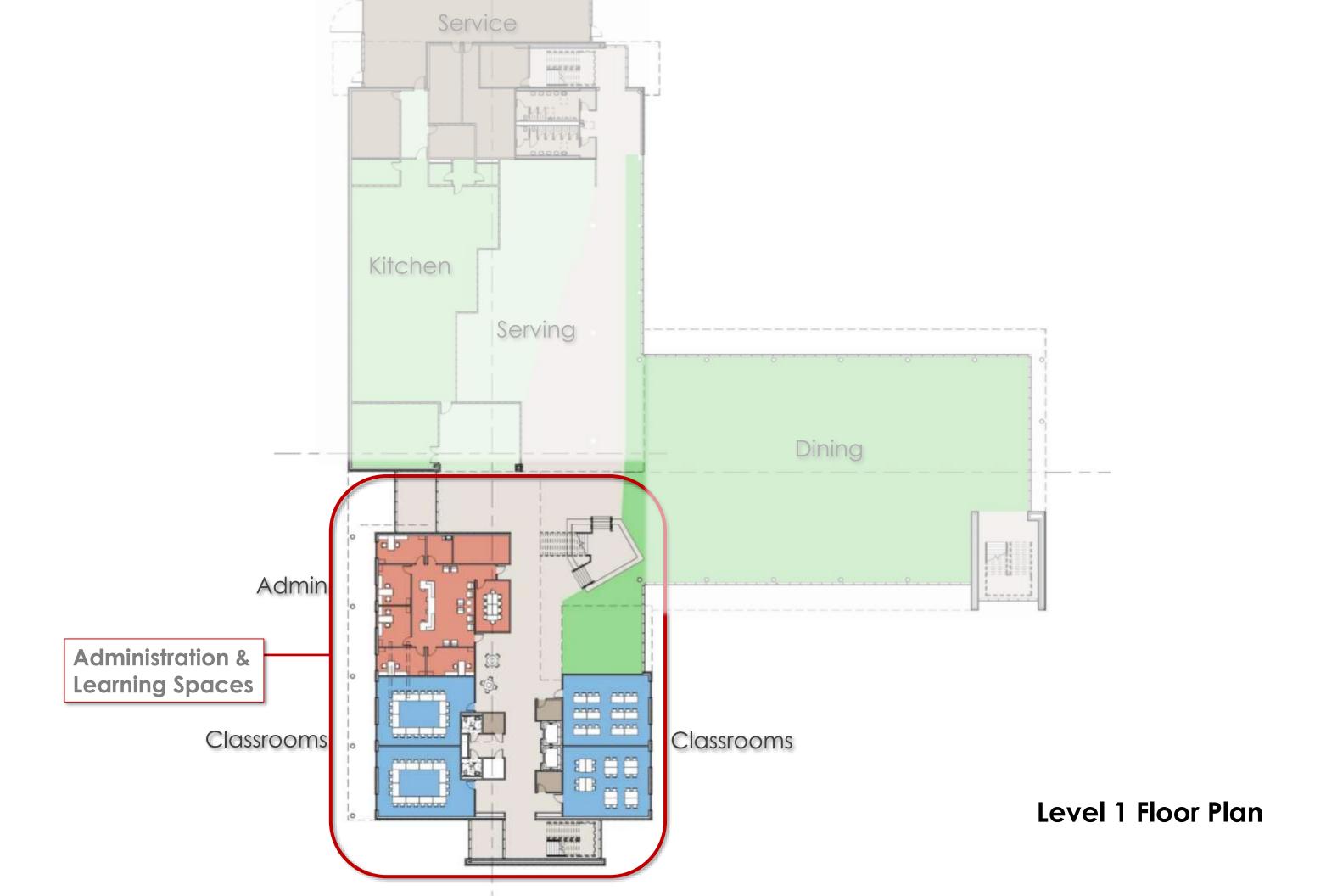
**Multiple Seating Arrangements** 

**Meeting / Presentation** 

**Connection to Outdoor Seating** 





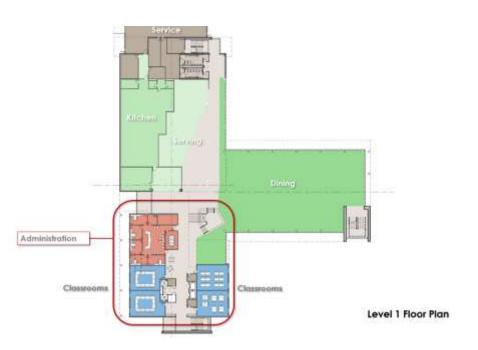


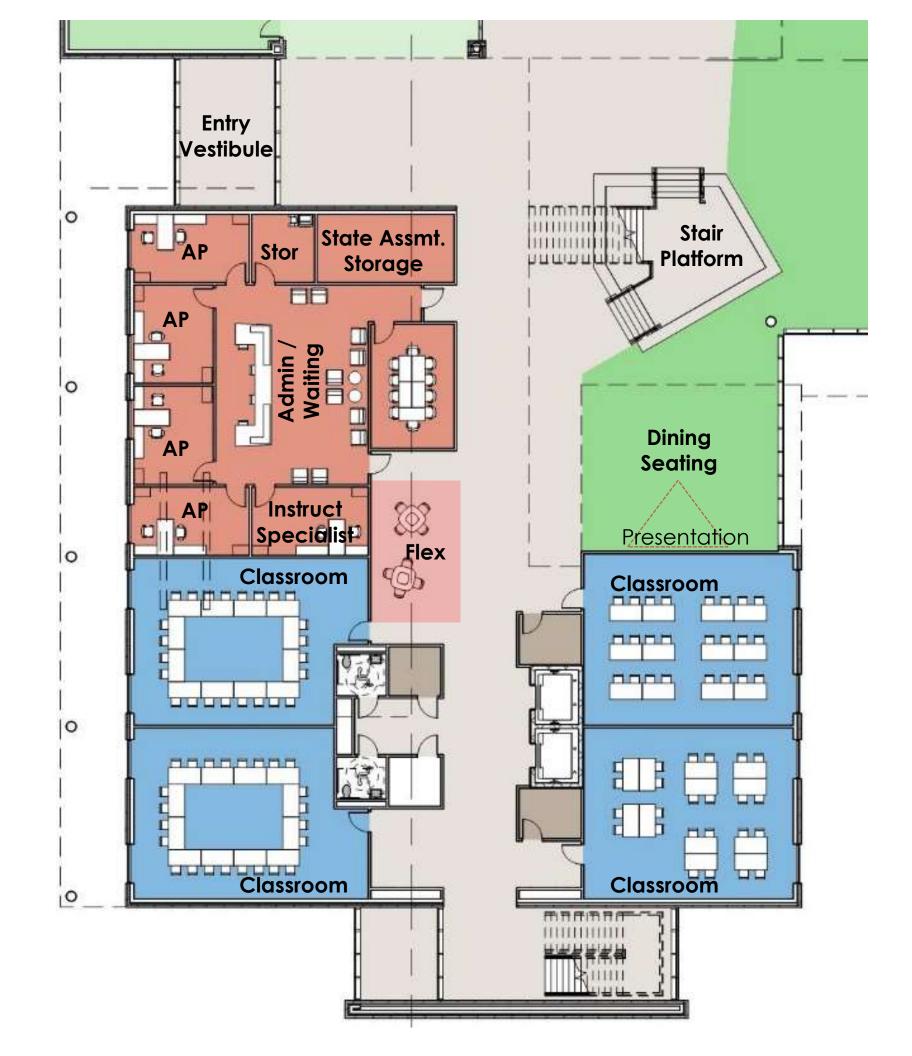
# **Administration and Learning Spaces**

**Centrally located at Student Entry** 

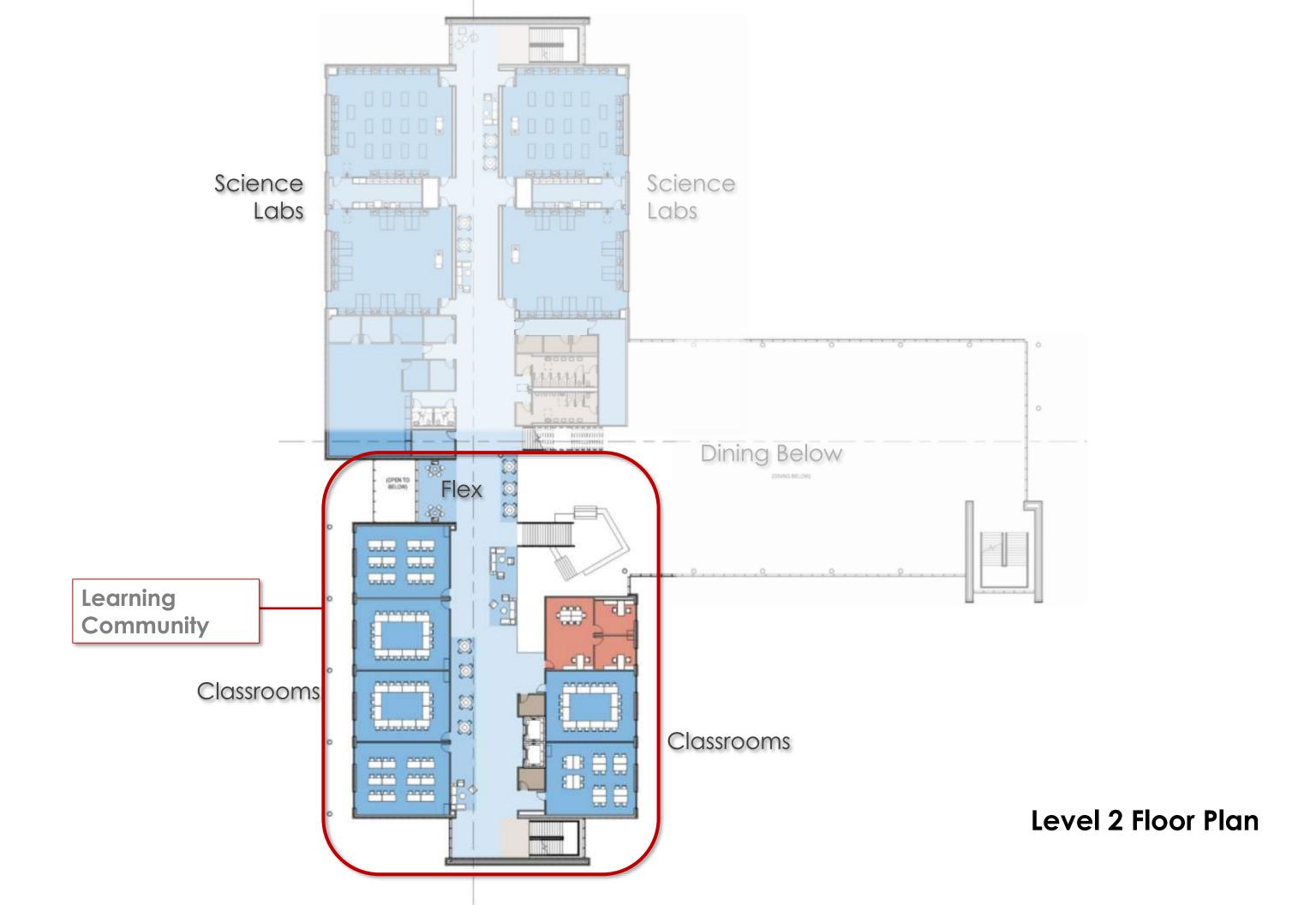
Views to the Student Plaza

**Welcoming Impression** 









# **Learning Community** and Flex Spaces

**Larger Classrooms than existing** 

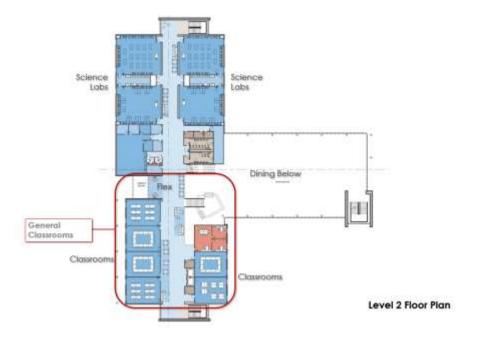
Direct connection/view to Small Flex areas

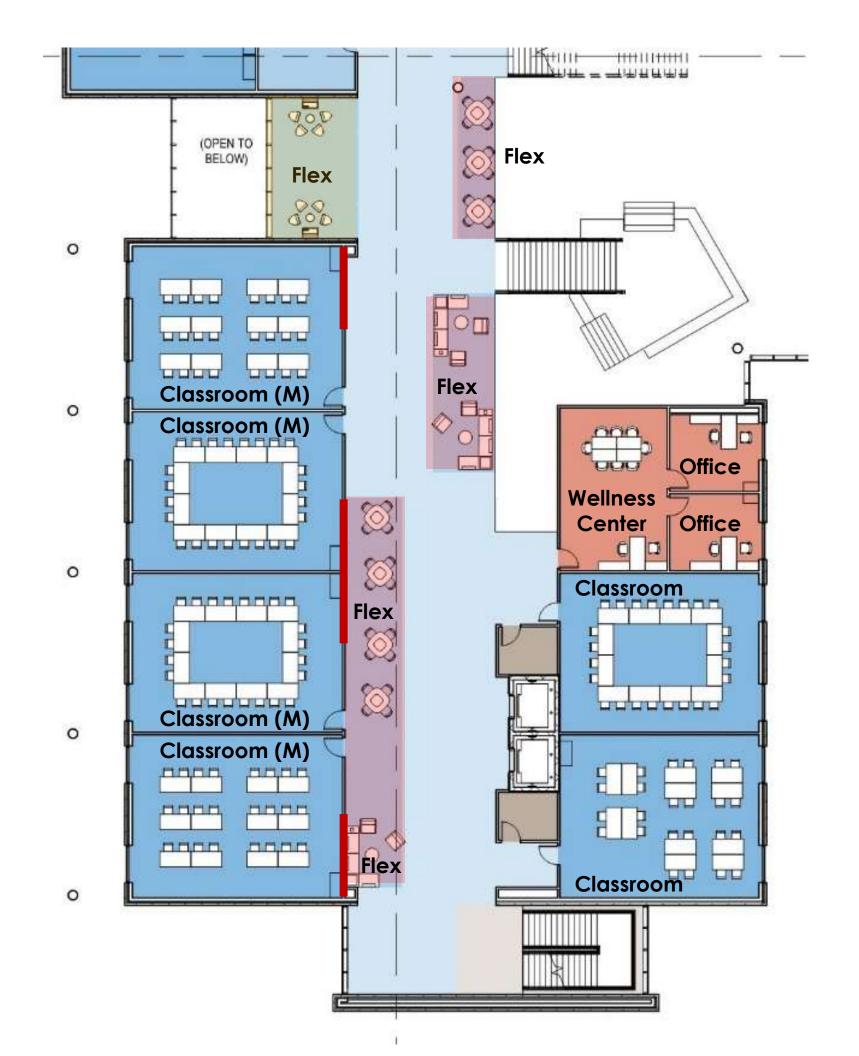
Wide circulation around Flex

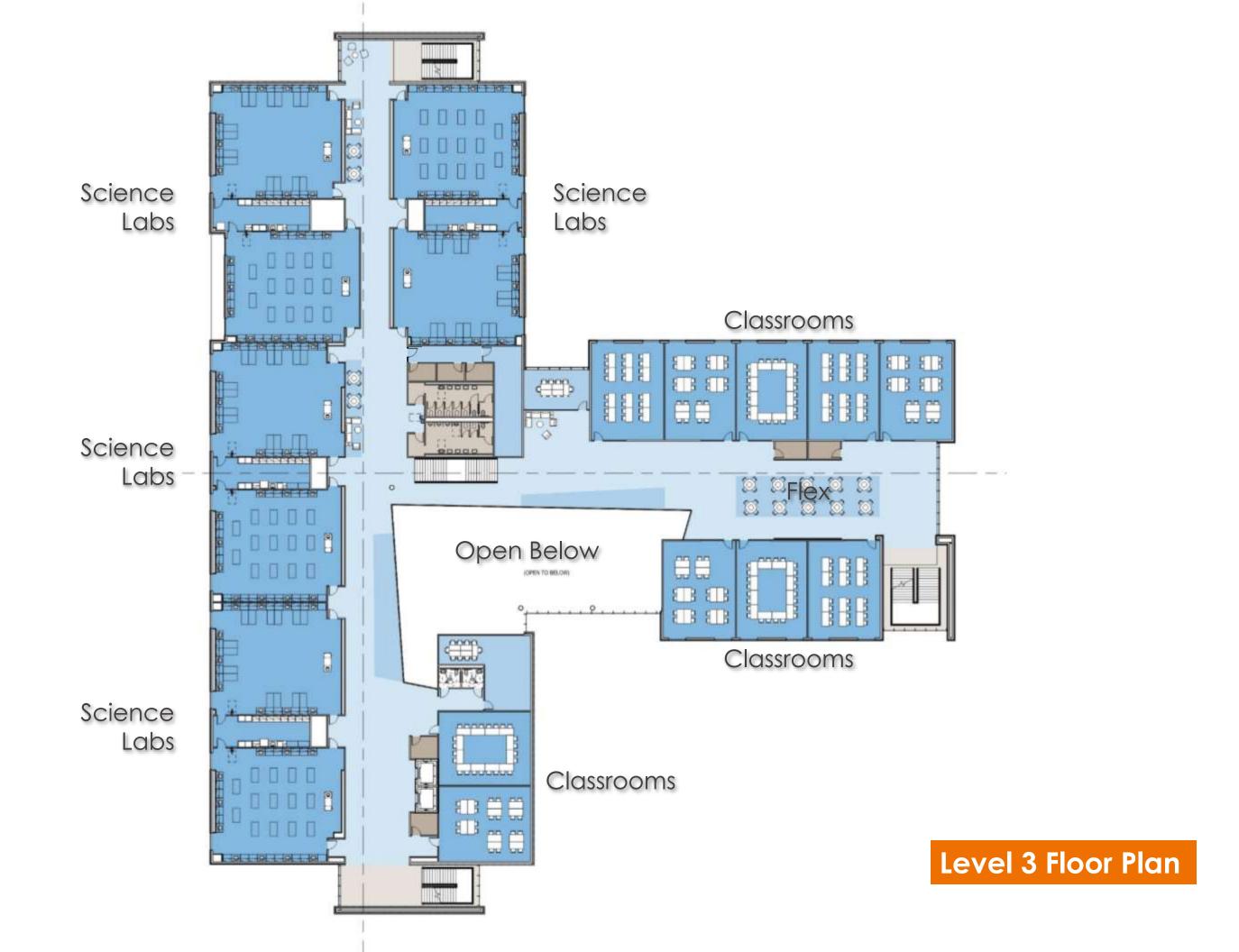
**Connection to Dining below** 

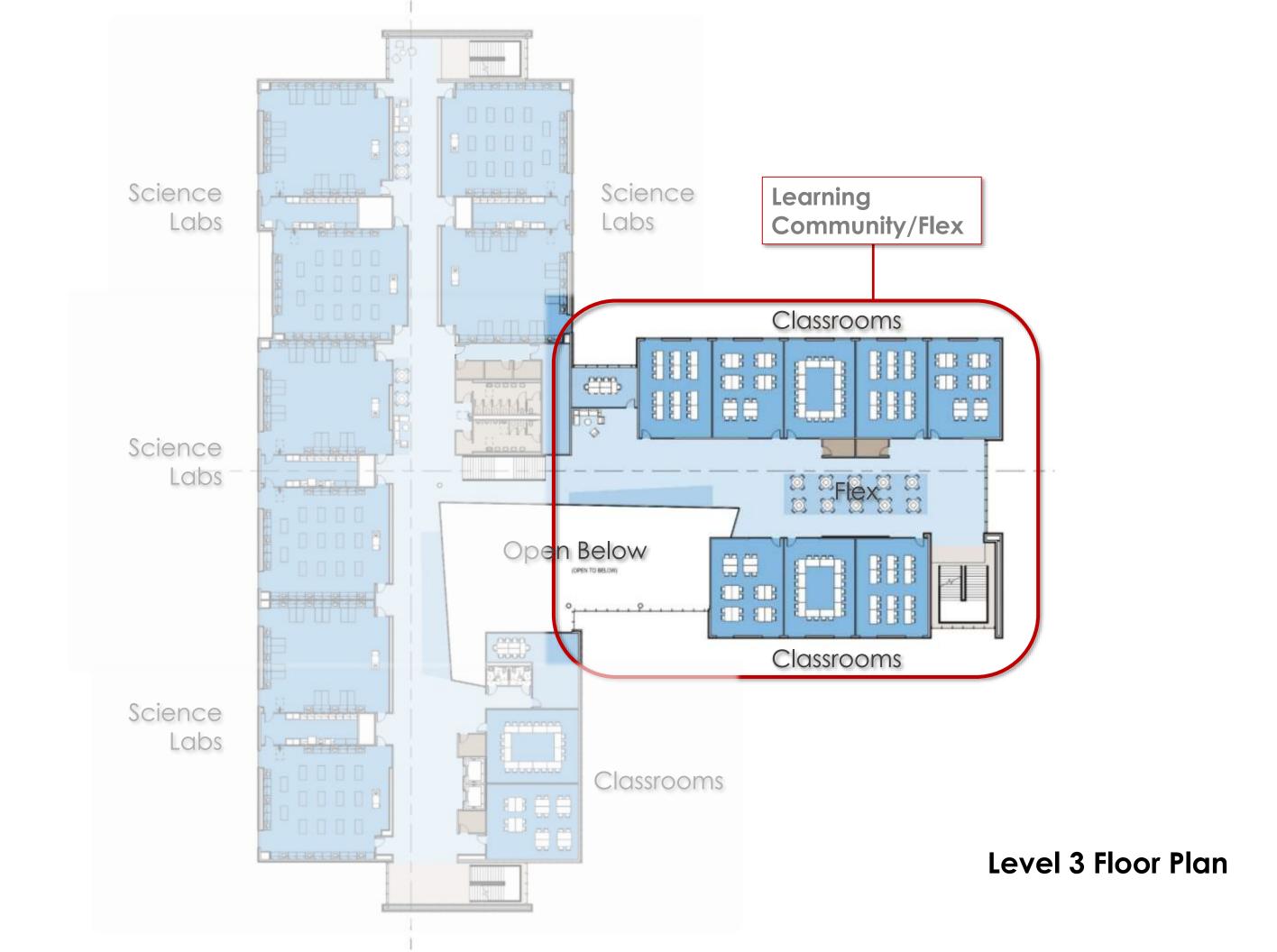
Connection to daylight & views

No long narrow corridors









# **Learning Community** and Flex Spaces

**Larger Classrooms than existing** 

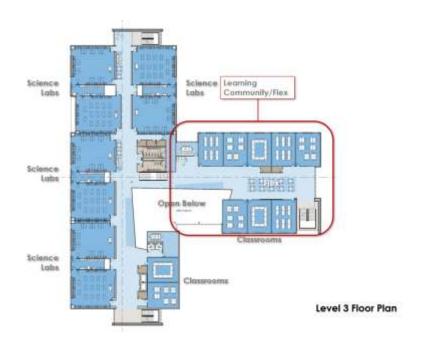
**Large Group Flex + Small Flex** 

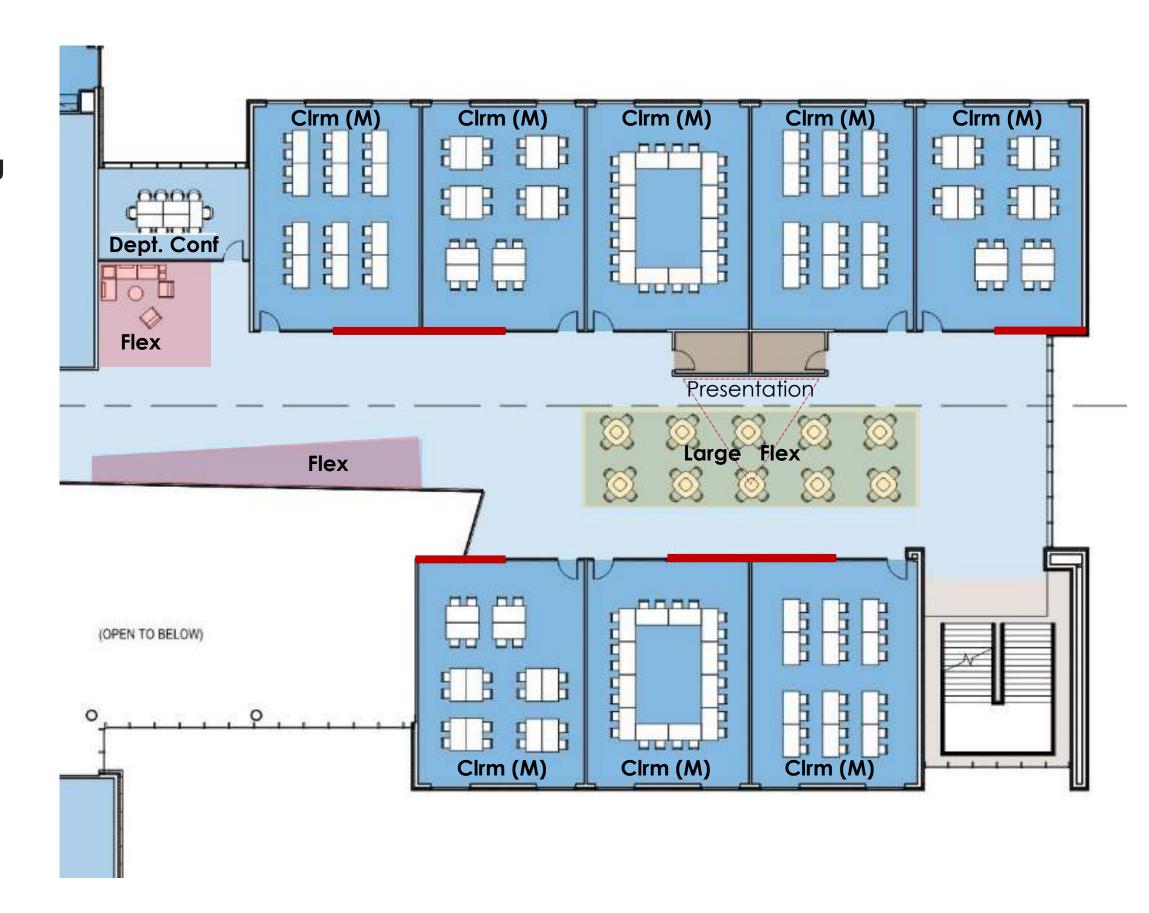
Wide circulation around Flex

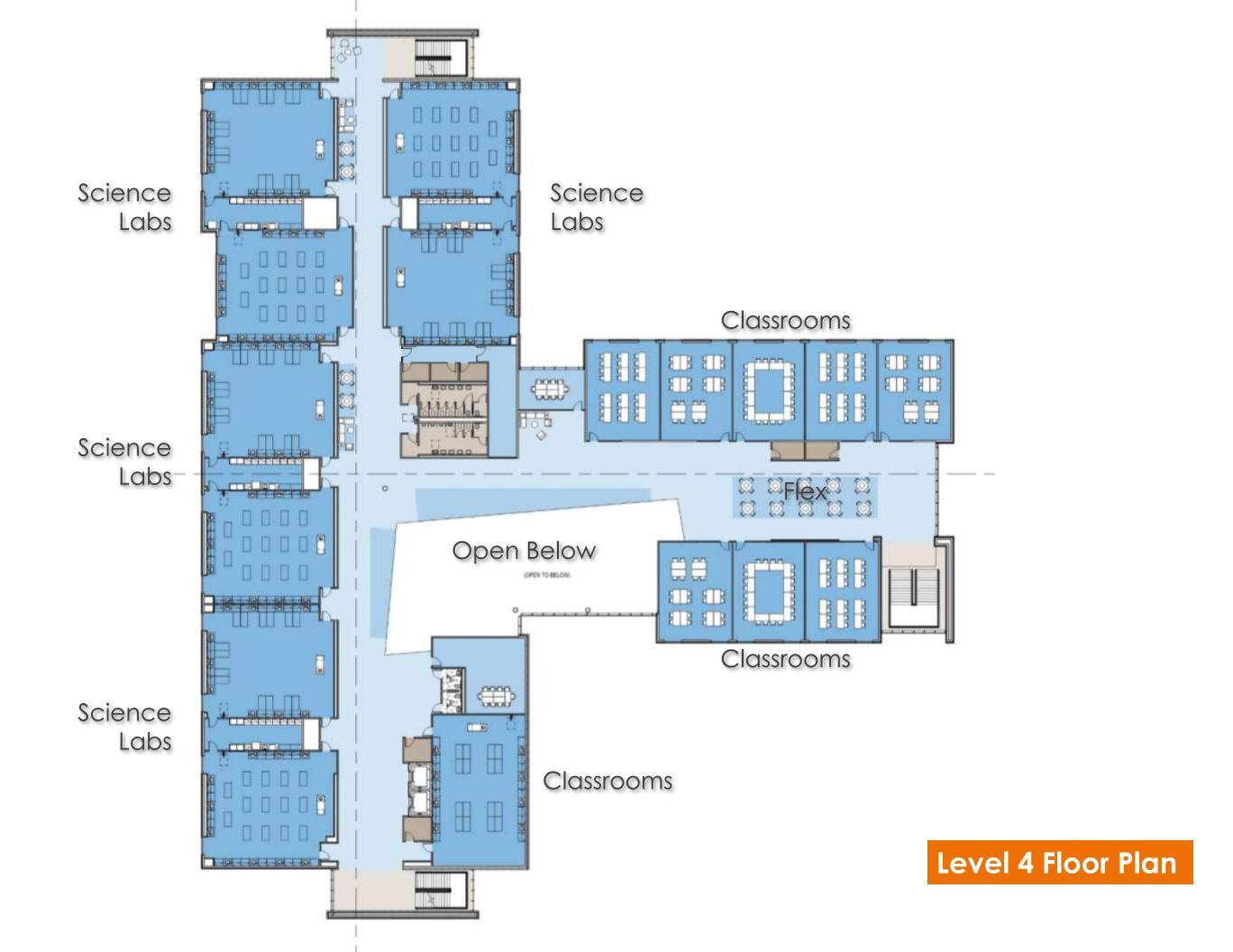
**Connection to Dining below** 

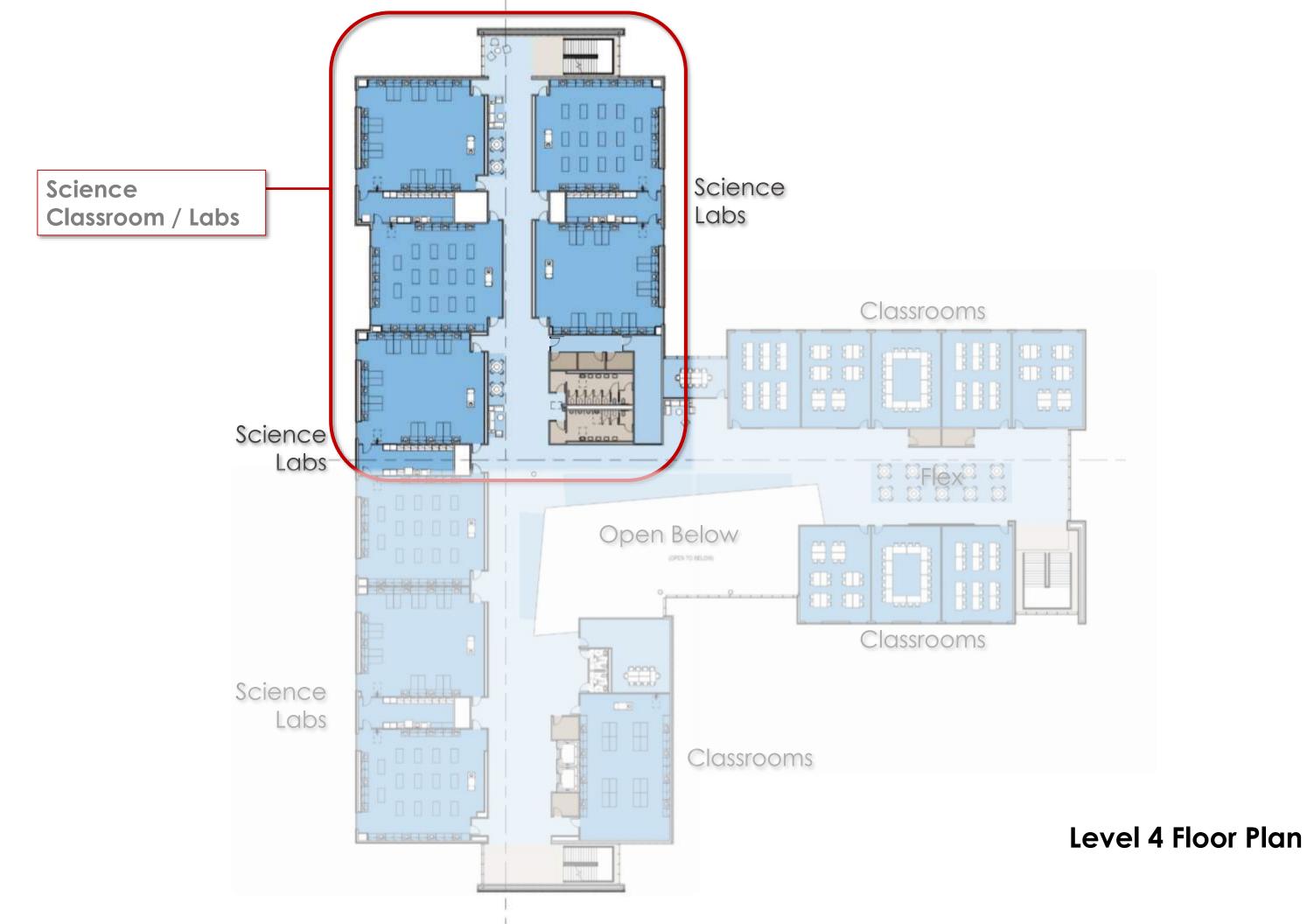
Connection to daylight & views

No long narrow corridors









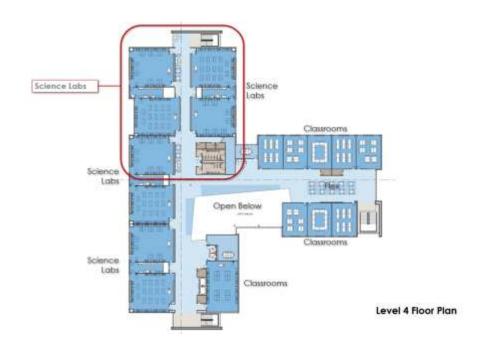
# Science Classroom/Labs and Flex Spaces

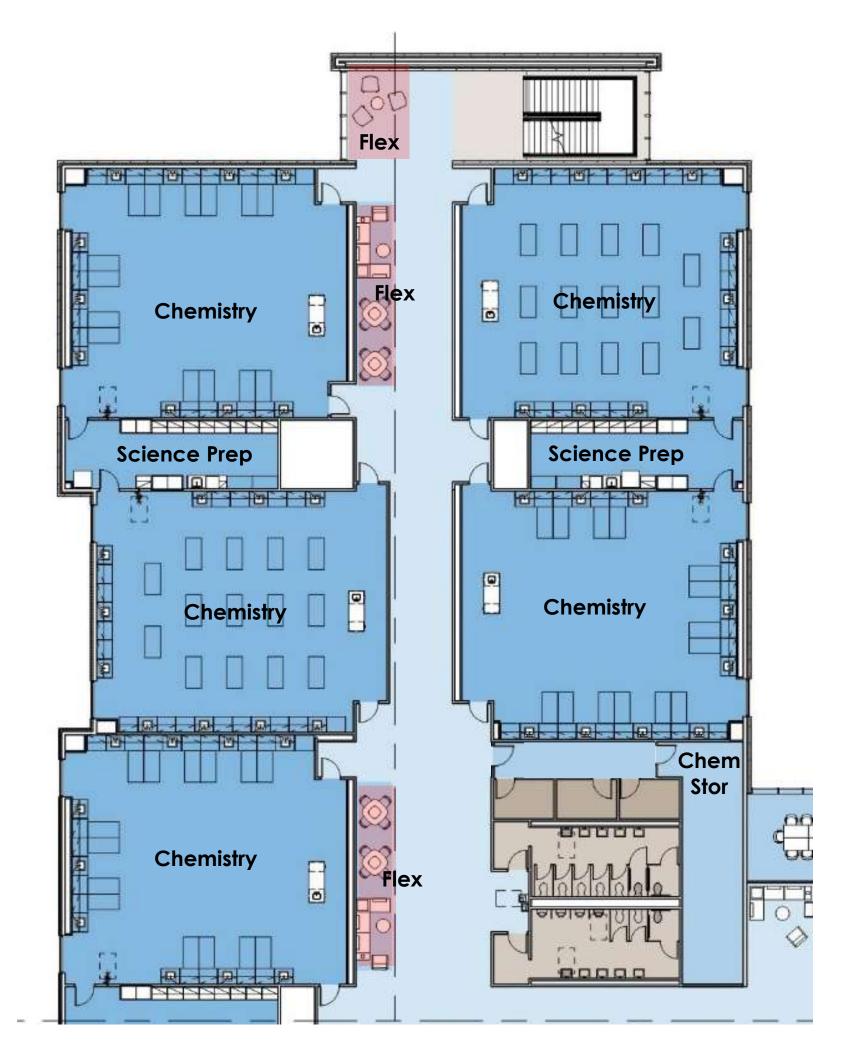
**Easy access to Small Group Flex** 

Protected sunlight exposure from the west

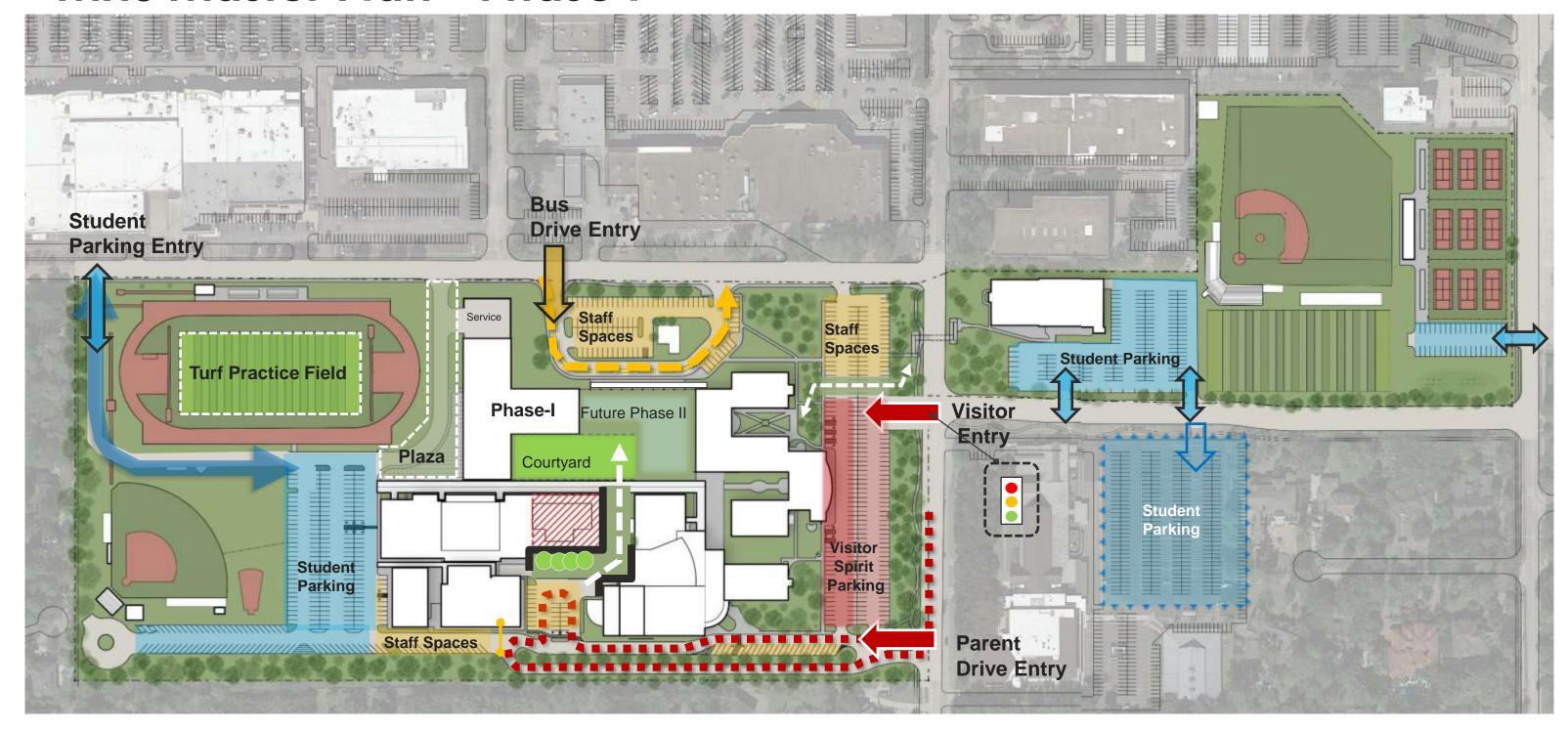
Large Classroom / Lab spaces for different seating arrangement

**Shared Prep Rooms (2 Lab: 1 Prep)** 

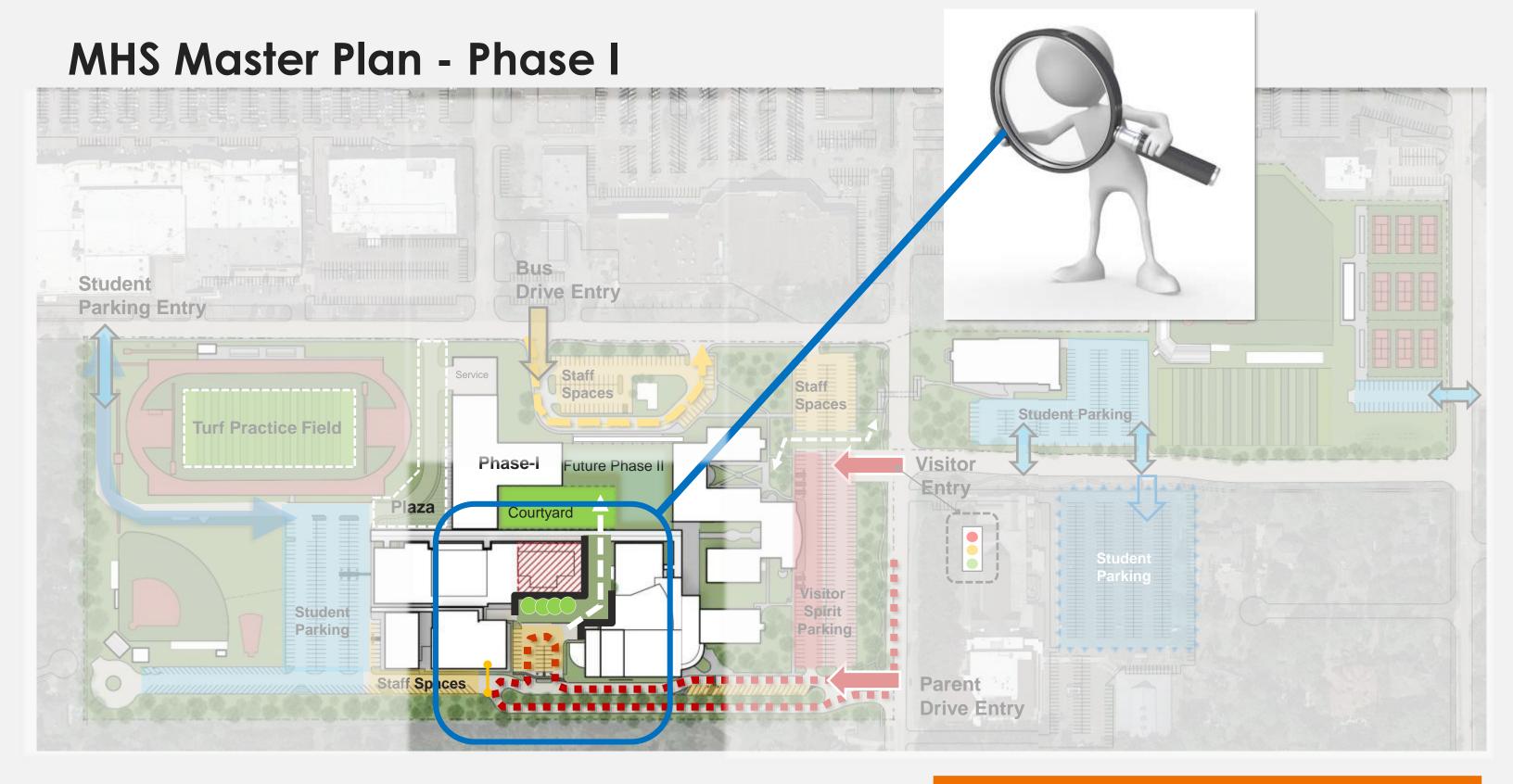




## MHS Master Plan - Phase I



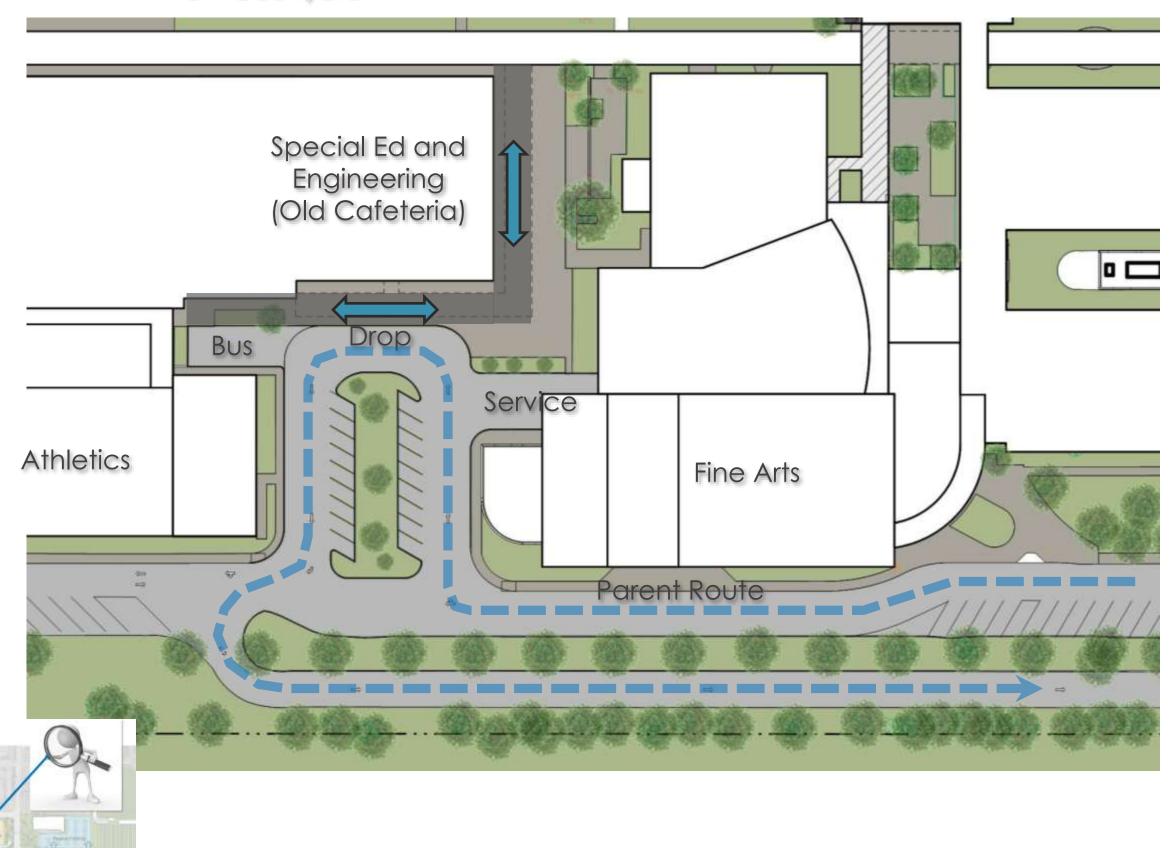
**Phase I: Completed Condition / Access Points** 



**Phase I: RENOVATED SPACE** 

#### New Courtyard

MHS Master Plan - Phase I



**Enlarged Site Plan at Parent Drop** 

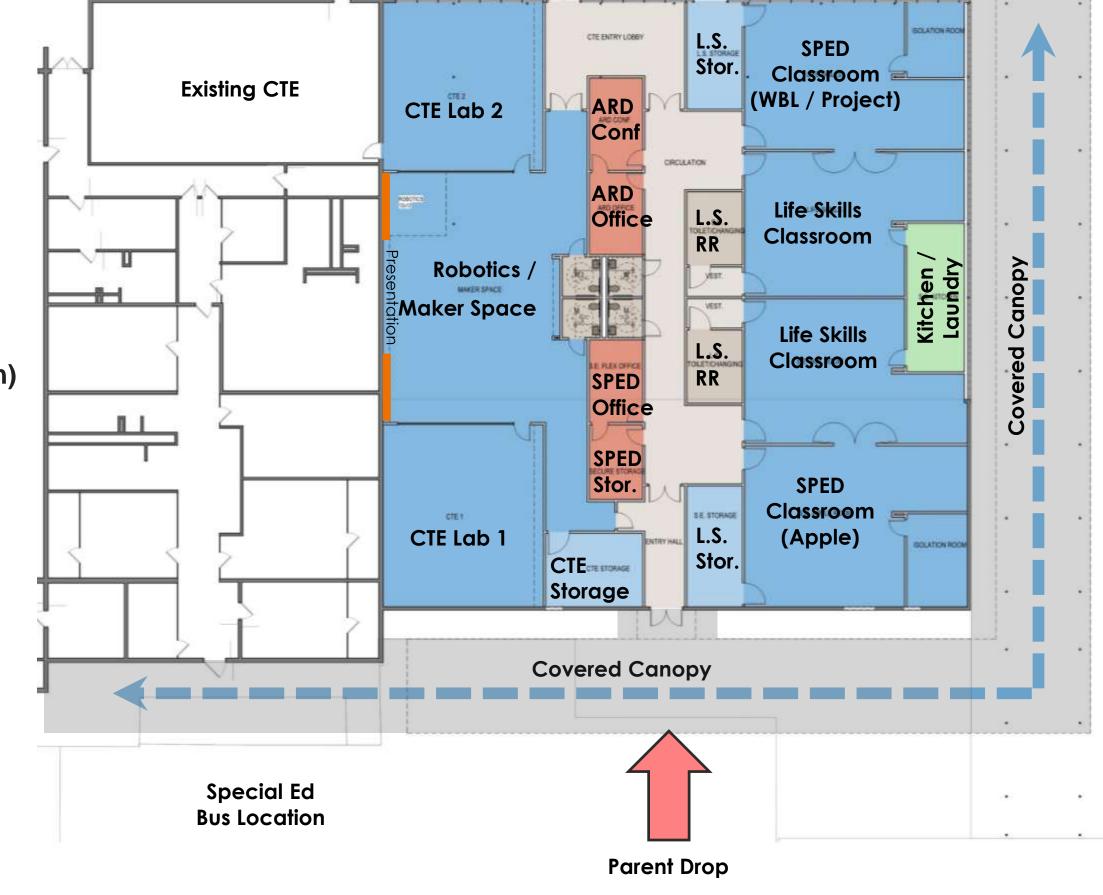
#### **Existing Covered Walk**

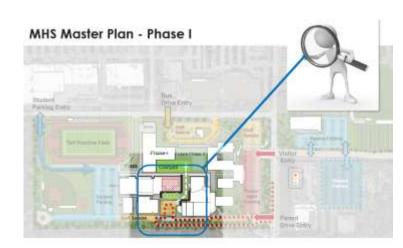
# **Special Education Engineering Labs**

Renovation of Existing Space (Old Cafeteria / Kitchen)

Easy connection to Drop-off (Parent Car + Special Ed. Bus)

Separation between programs (Engineering + Special Education)

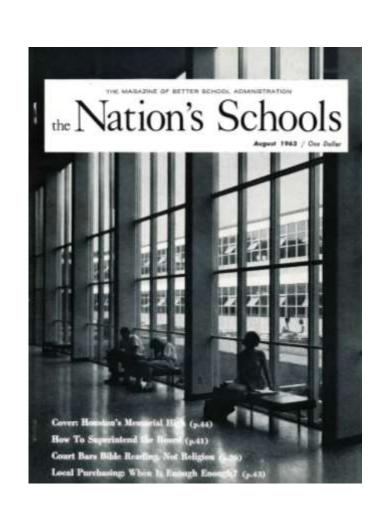




## Memorial High School

## The Nation's Schools **August 1963 Issue**

- **Educational Planning Innovation**
- Meet the needs of the Future
- Small College Feeling
- Convertability (walls)
- Open / Spacious
- Orientation for Sun angles



The Nation's School of the Month / August 1963

Planned for traditional learning patterns Memorial High School in Houston is also ready to house expected educational changes

#### They Designed the School Traditionally —

WHEN Spring Branch Inde-pendent School District in planning would affect the school's design. The 70,000 populaments in its school system - except on an experimental basis - but it wanted to anticipate them in its

This objective was met in the design of Memorial Senior High mate 3000. School, the August Nation's School of the Month. Koetter and Tharp, Houston, were architects.

After a year's use, Principal Jack Ballard says: "Certainly the school meets the needs of our present traditional curriculum; and it can meet the requirements of any foreseeable educational changes: team teaching, programed learning and other forms

schools' basis, and the blocking out of instruction by either method, subject, length of period, or

Located on a 37 acre site, Memorial Senior (see cover) was planned "without physical contion community, however, was not struint." Its 10 units create the atquite ready to accept these develop- mosphere of a small college - appropriate for a student body of which 95 per cent aspires to attend college. Opened in September 1962, its enrollment for the 1963-64 school year will approxi-

> Comprehended in the 10 building complex are: six two-story elastroom wings; a two-story library; a 1200 seat auditorium (with adjoining band and choral rooms); the shops building, and a multifunction structure embracing the gymnasium (with physical education and team dressing rooms and coaches' offices), and the cafeteria with mack bar.

Classrooms are oriented north of individual study, organization and south and protected from the on either a departmental or small son by wide roof overhangs. The separation of the classroom wings allows the prevailing south-east breeze to penetrate and ventilate the areas during hot weather. Breaking up the student body among six separate buildings also

at Memorial High sought to achieve "convertability," rather than "flexibility." The latter term, he stated, implies the ability to rearrange inoperable space dividers, which he did not consider necessary at this time. Convertability was achieved by utilizing removable, rather than

Except for the fire-resistant plaster on the columns, the partitions are dry wall construction: four half-inch gypsum boards laminated together to form two-

The dividers were kept free of

Open design of modified campus plan of Memorial Senior High School gives site small-callege atmosphere

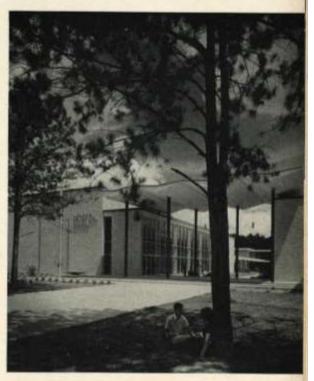
vides easy access from street to 1200 sent, oir-conditioned auditorius

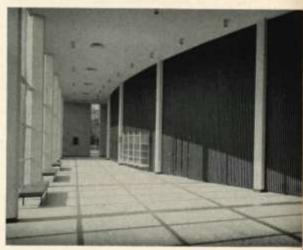
#### **But Conditionally**

mit easy removal or relocation. With the room side face of the gypsum covered with factory-applied vinyl fabric, the panels, according to Supt. Landrum, are attractive and acoustically effective, yet so economical they can be torn out and relocated several times for less than the initial cost of movable partitions.

Architect Gunter W. Koetter reports that the cost of the gyp-sum partitions was less than that of a four-inch einder block wall of the same area, and that they keep out unwanted sound as

Supt. Landrum said both faculty and students are pleased with the architectural design of the building The only criticism, he indicates, is that the design is so open and spacious that complete air conditioning will be more expensive than it would have been for a more compact building; however, the spacious design of this school is the characteristic most frequently commended. (Please Turn to Page 46)





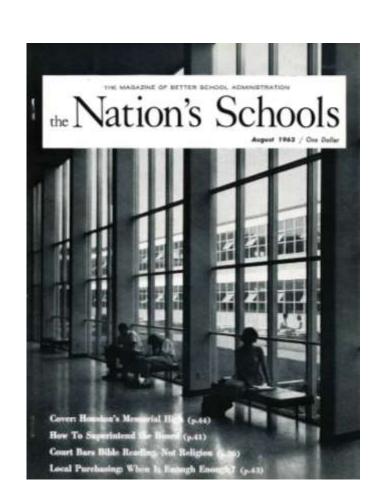
Superintendent: H. M. Landrum

MHS 1963: **Elegant Design Forward Thinking** 

## **Memorial High School**

## The Nation's Schools **August 1963 Issue**

- **Outdoor Classrooms**
- Commons / Mall
- Outdoor Seating for dining
- Team Teaching
- Movable walls for LGI
- Multiple Learning Space Sizes



Locker alcaves keep noise away from classroom areas. Walls of the locker-free corridors are demountable and can be relocated.



#### Why Memorial High School Is Outstanding

1. Each of the six separate, two-story classroom wings - currently organized on a departmental (subject) basis - cun function as self-contained "little schools," with as many as 500 students in each, any time the instructional

2. Major classrooms are grouped in a cluster around a centrally located mall and an air-conditioned two-story library.

3. Two "outdoor classrooms" are provided by the mall and the nons. The mall serves as a student campus in which exhibits and displays can be arranged.

4. The commons, partly roofed, also provides a sheltered outdoor, all-weather eating area, adjoining the cafetoria; a social gathering space; a study center, and opporusity for outdoor experiments.

5. The 765 sent cafeteria (with snack her) lends itself to team teaching, large group instruction, and some laboratory work.

6. To shield students from winter northerlies, the mall is glazed at the north and south ends.

academic facilities. Perpendicular to the mall is a ground-level walk that links the group activity areas (gymnasiom, cafeteria and com-

8. All corridor walls are demountable partitions that can be relocated (see adjoining story). Corridor space plus adjoining four classrooms can be converted into one large room for 120 students. or two rooms for 60 students, and four teachers.

9. Long corridors have been eliminated; internal cross considors

10. No student lockers are along the corridor walls. Lockers are grouped in clusters at the end

11. Small teacher offices are lecuted in almost every wing.

12. Forty per cent of the build-

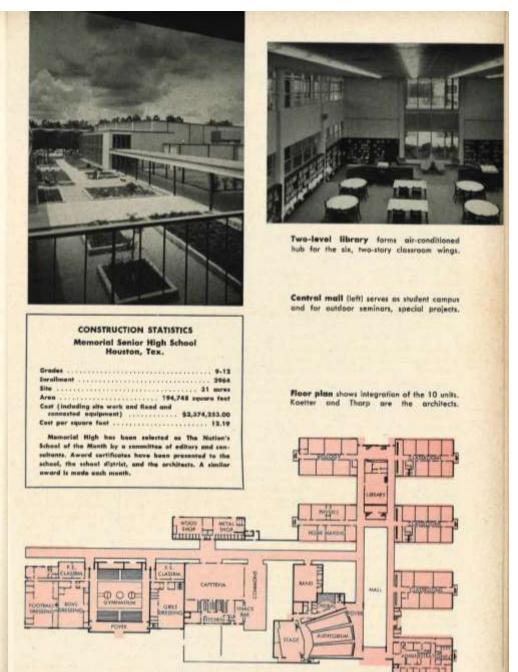
ings is air-conditioned - the library, administration offices, language laboratory, two teacher lounges, the cafeteria, and the auditorium with adjoining band and choral rooms. Convector units in each classroom and piping 7. Around the snall, at both have been sized for future levels, walkways connect the conditioning of all classrooms.

(Continued From Page 45)

One improvement, Supt. Lan-drum added, would be the use of power operated folding partitions in the auditorium; this would permit use of the space for large

The modified campus plan emphasized utilization and economy. Incorporated in the general construction cost of \$2,112,152 was \$385,160 of electrical and mechanical work (including air conditioning completed or sized for future installation). Distributed among the 194,748 square feet of building area (figuring covered passageways at 50 per cent), this represents \$10.85 a square foot. After adding \$134,848 for site work, and \$127,253 for fixed and connected equipment, the total was \$2,374,253, or \$12.19 a square foot. The cost per teacher station (86 teachers) was reported

at \$27,606 (see figures, page 47), Spring Branch Independent School District, in which Memorial Senior High is located, serves a large section of Houston located west of the metropolitan area, as well as parts of six suburban mu-nicipalities. Growth has been so rapid that a seventh classroom wing is under construction at Memorial Senior High School. .



Served 2,964 Students

MHS 1963: **Elegant Design Forward Thinking**  PAT #1
Architectural Expression

Campus-Community
Modern-State of the ART
Apple Store Firth Ave. NY
Modern Inviting
Welcoming

High Performance

Innovative

Inviting

Refreshing

Beautiful

Comfortable

Secure

College Feel

Strong Connection to Out Doors

Stands out-WOW Factor

Building Shape, Scale, Form and Massing

Building Materials and Finishes

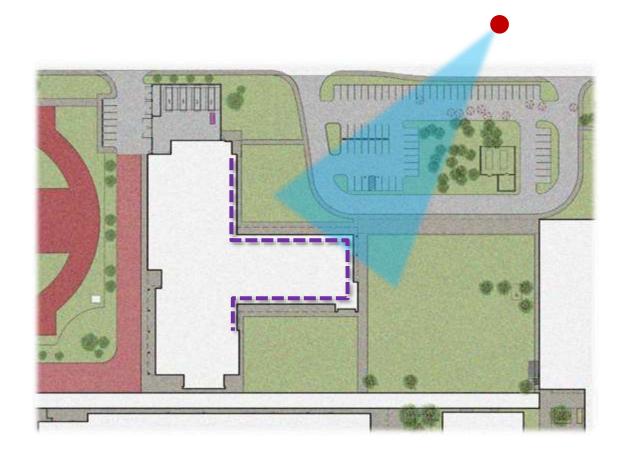
Highlight/Identify & Articulate The Entry and Special Programs

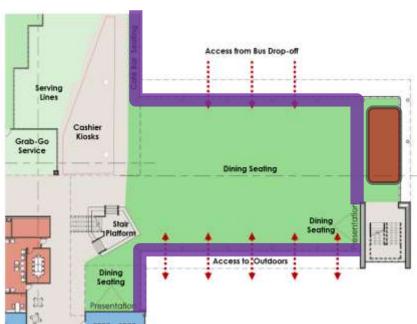
Pattern

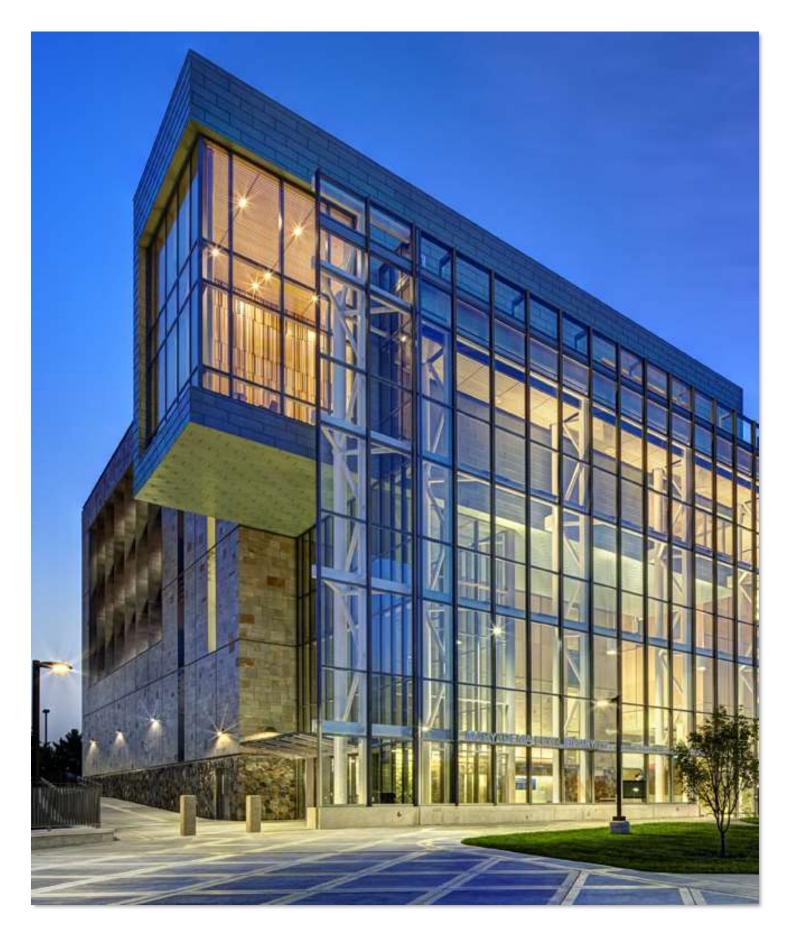
Texture

Color

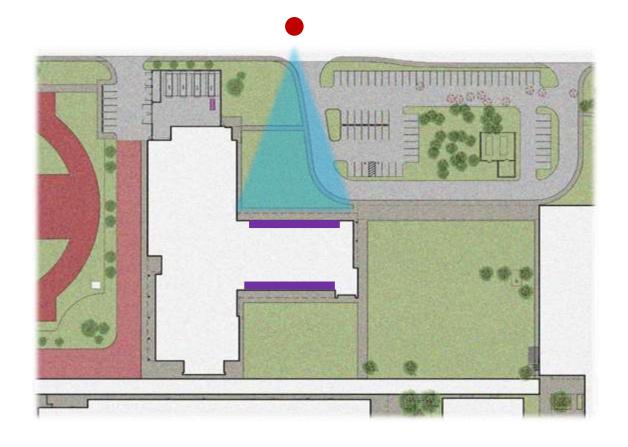
Sparkle

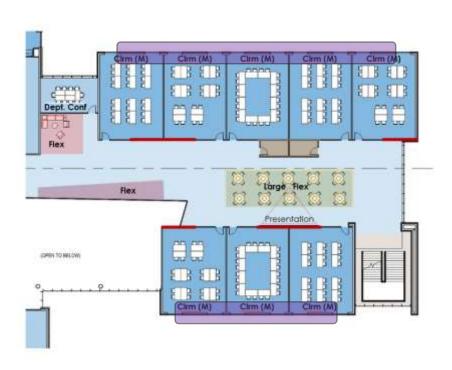






Dining Room - Transparency



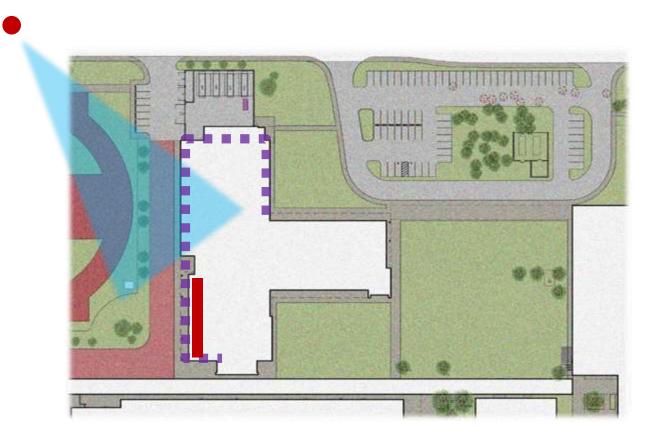


Classrooms- Daylight & View





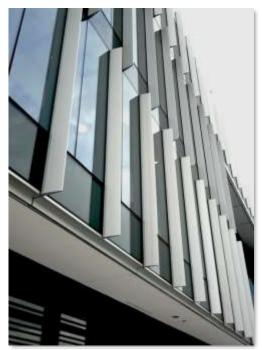




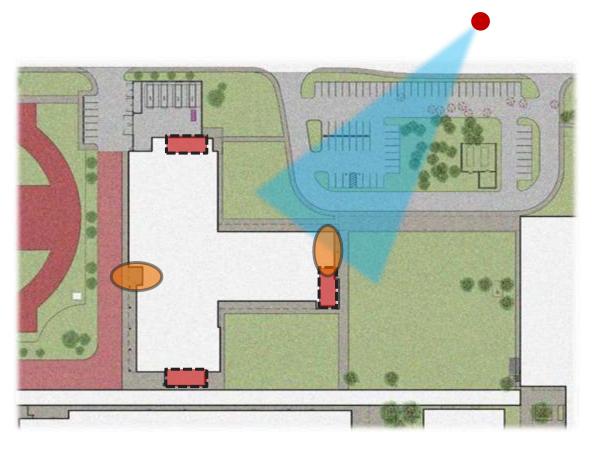


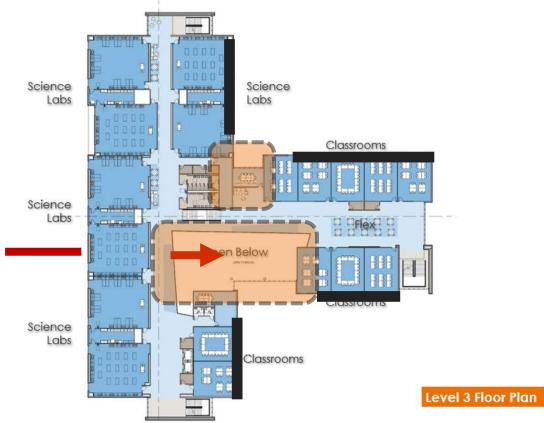
Science Labs- Limited Access



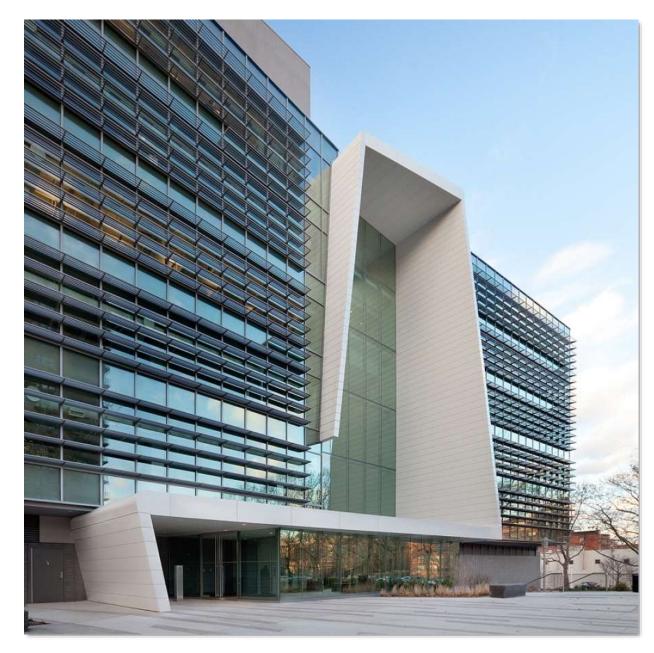








Articulation- Entry, Stairs, Flex Collaboration





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PAT Process + Objectives/Goals

**Project Scope** 

**Project Schedule** 

## 5 mins: 2. PAT Meeting #2: Recap

Meeting Highlights and PAT Input Feedback

#### 60 mins:

#### 3. MHS Schematic Design Updates

Site Plan at the New Building

Floor Plans with enlargements

Renovation of old Cafeteria

Historical Perspective of MHS

**Exterior Vignettes** 

## 5 mins: 4. Closing Remarks

Wrap-up / Next Steps