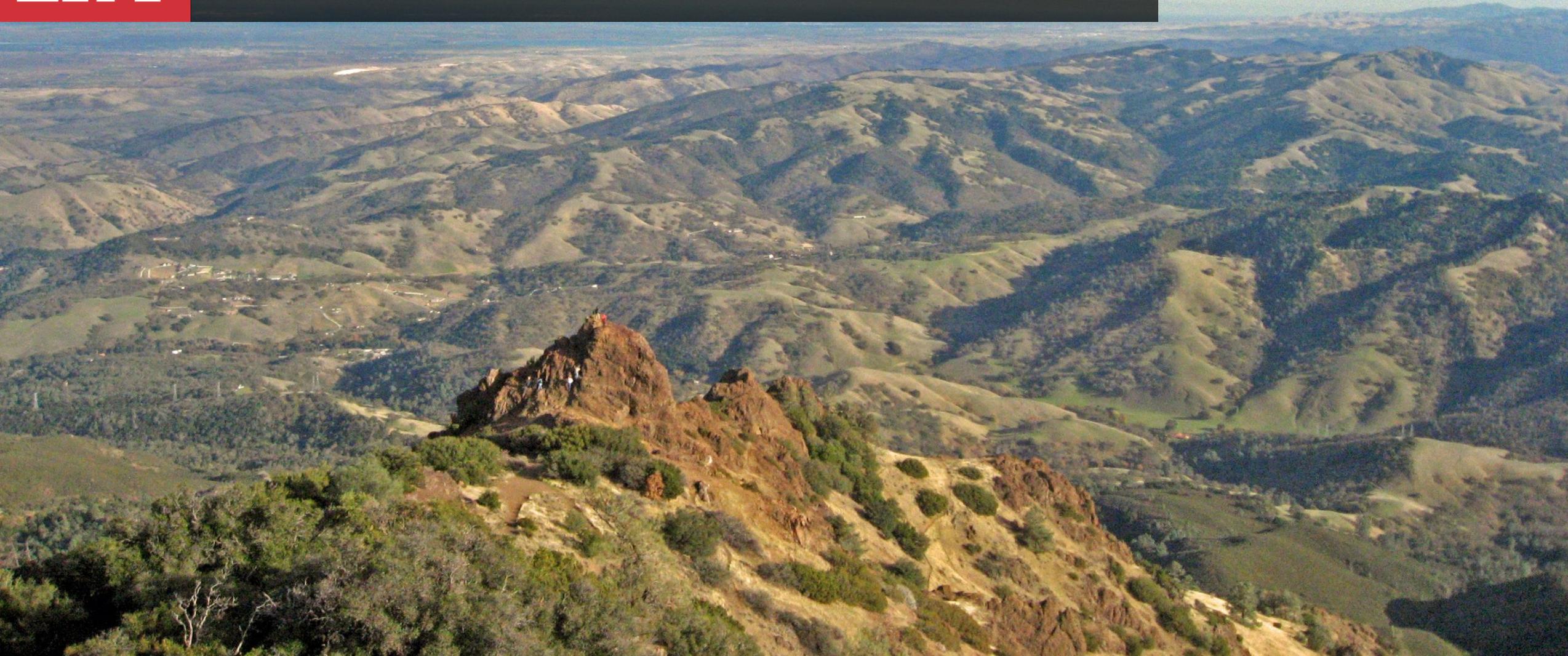




Mt Diablo Unified School District

Facility Master Planning Committee
Meeting 02: December 11, 2018



Welcome! | facilities master plan committee (FMPC)

Mtg #1 – November 13, 2018 (6:00 – 8:00pm) *“If You Could Dream”*

- FMP Process & Schedule Overview
- Goal Setting Activity
- Defining Success Group Discussion

Mtg #2 – December 11, 2018 (6:00 – 8:00pm) *Educational Program Opportunities*

- Educational Charrette Summary
- Demographics Overview
- High School Sites Charrette

Mtg #3 – February 13, 2019 (6:00 – 8:00pm) *Vision for School Site Improvements*

- Scopes of Work/Needs Categories
- Sustainable Facilities, Maintenance Goals, Guiding Principles
- Draft School Master Plan Diagrams

Mtg #4 – April 10, 2019 (6:00 – 8:00pm) *Implementation Planning*

- School Site Committees Priorities
- Total Program Cost + Funding Sources Analysis
- Prioritization Voting Activity



agenda

Demographic Preliminary Findings

20 minutes

Focus Group + Needs Assessment Findings

20 minutes

Secondary Educational Program Spaces

Review Educational Specifications for High Schools

15 minutes

High School + Continuation Sites Charrette

Group Activity

60 minutes

Next Steps + Open Discussion

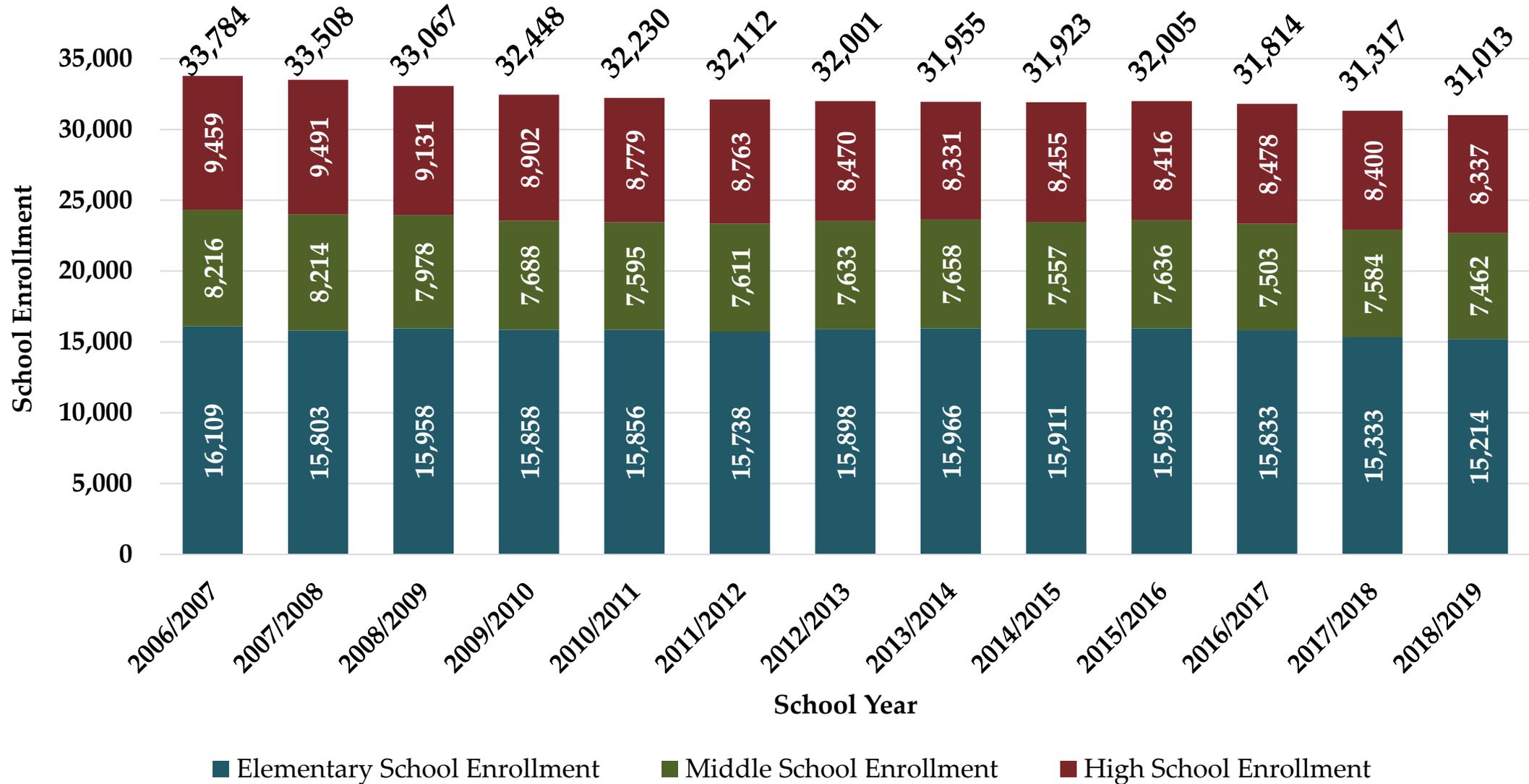
5 minutes



LPA

Demographics Preliminary Findings

Historical Enrollment – Overview by School Level



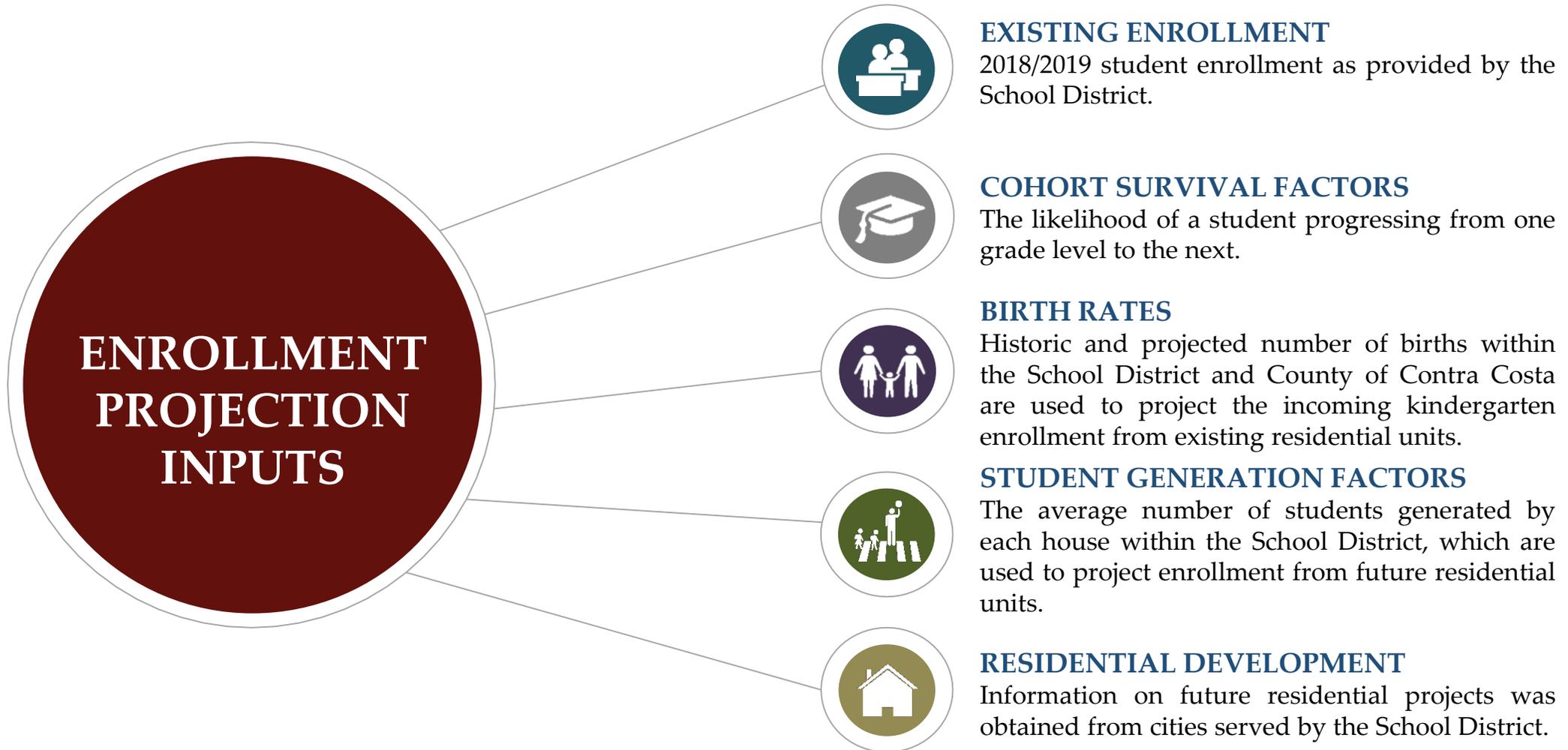
2018/2019 Enrollment by School - Elementary Schools

Elementary School	Total	Elementary School	Total	Elementary School	Total
Ayers Elementary	422	Holbrook Language Academy	276	Silverwood Elementary	505
Bancroft Elementary	645	Meadow Homes Elementary	825	Strandwood Elementary	622
Bel Air Elementary	465	Monte Gardens Elementary	518	Sun Terrace Elementary	456
Cambridge Elementary	583	Mountain View Elementary	345	Valhalla Elementary	569
Delta View Elementary	657	Mt. Diablo Elementary	798	Valle Verde Elementary	572
El Monte Elementary	433	Pleasant Hill Elementary	618	Walnut Acres Elementary	634
Fair Oaks Elementary	334	Rio Vista Elementary	502	Westwood Elementary	312
Gregory Gardens Elementary	415	Sequoia Elementary	571	Woodside Elementary	354
Hidden Valley Elementary	835	Shore Acres Elementary	445	Wren Avenue Elementary	336
Highlands Elementary	542	Silverwood Elementary	505	Ygnacio Valley Elementary	433

2018/2019 Enrollment by School – Secondary Schools

Middle School	Total	High School	Total	Alternative School	Total
Diablo View Middle	688	College Park High	2,036	Diablo Community Day	20
El Dorado Middle	882	Concord High	1,385	Eagle Peak Montessori	286
Foothill Middle	974	Crossroads High	33	Horizons School	155
Oak Grove Middle	789	Gateway High	23	Mt. Diablo Unified	69
Pine Hollow Middle	569	Mt. Diablo High	1,448	NPS School Group	118
Pleasant Hill Middle	847	Northgate High	1,490	Sunrise (Special Ed)	30
Riverview Middle	854	Olympic Continuation High	258		
Sequoia Middle	931	Prospect High	54		
Valley View Middle	815	Summit High	117		
		Ygnacio Valley High	1,220		

Enrollment Projections - Inputs



Preliminary Enrollment Projections - Districtwide

Grade	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
TK/K	2,930	3,002	2,870	2,937	2,937	2,937	2,937	2,937	2,937	2,937
1	2,537	2,624	2,694	2,572	2,630	2,630	2,630	2,630	2,630	2,630
2	2,317	2,506	2,591	2,661	2,538	2,598	2,598	2,598	2,598	2,598
3	2,541	2,286	2,474	2,556	2,626	2,507	2,564	2,564	2,564	2,564
4	2,373	2,528	2,267	2,456	2,541	2,611	2,493	2,547	2,547	2,547
5	2,419	2,360	2,519	2,258	2,450	2,532	2,604	2,485	2,540	2,540
6	2,343	2,347	2,301	2,458	2,210	2,385	2,468	2,536	2,420	2,474
7	2,375	2,350	2,356	2,308	2,466	2,217	2,393	2,473	2,545	2,429
8	2,591	2,370	2,348	2,354	2,307	2,462	2,213	2,390	2,471	2,540
9	1,967	2,085	1,909	1,890	1,896	1,856	1,981	1,782	1,924	1,989
10	2,067	1,987	2,106	1,927	1,909	1,914	1,875	2,001	1,800	1,944
11	1,862	1,949	1,873	1,986	1,818	1,800	1,805	1,769	1,889	1,698
12	1,700	1,709	1,790	1,720	1,823	1,668	1,653	1,658	1,622	1,734
Other	808	808	808	808	808	808	808	808	808	808
Grand Total	30,830	30,911	30,906	30,891	30,959	30,925	31,022	31,178	31,295	31,432

Preamble for Facilities Capacity

- It must be recognized and appreciated that a school facility does not have a single capacity. Capacities of a school facility are impacted by both internal and external variables.
- Example of internal variables include:
 - **Loading Factors** (number of students on average in a teaching station);
 - **Education Programs** (music, art, maker spaces, labs, etc.),
 - **Roaming Teachers** (teachers at the middle and high school levels not assigned to a given classroom), and
 - **Installation/Demolition of Relocatables** (also known as portables).

Preamble for Facilities Capacity

- Examples of external variables include:
 - **State Mandates/Requirements** (transitional kindergarten, loading factors, local control accountability plan, etc.)
 - **Local Demographics** (number of students being generated in an area by grade).
- In addition to the variables listed above, the actual design of a school facility can also create challenges when trying to calculate capacity.
 - Example: A school facility may not have the appropriate space for a required pull-out program (resource specialist, intervention, meeting rooms, etc.) because of the era in which the school was designed.

Preliminary Capacity Analysis

- For each school, a capacity was determined based on Education Code, Current Utilization, Education Utilization, and Design Utilization were calculated.
 - **Education Code 17071.25:** Specific calculation (25 students per room ES/27 students per room MS and HS) for state funding and developer fees. Basis of the March 2017 presentation.
 - **Current Utilization:** Based on how each classroom is currently used and the District's current loading standards.

Preliminary Capacity Analysis: Elementary Schools (Education Code 17071.25)

Elementary School	Total	Elementary School	Total	Elementary School	Total
Ayers Elementary	437	Holbrook Language Academy	300	Strandwood Elementary	549
Bancroft Elementary	475	Meadow Homes Elementary	800	Sun Terrace Elementary	400
Bel Air Elementary	525	Monte Gardens Elementary	475	Valhalla Elementary	499
Cambridge Elementary	600	Mountain View Elementary	300	Valle Verde Elementary	437
Delta View Elementary	575	Mt. Diablo Elementary	750	Walnut Acres Elementary	611
El Monte Elementary	375	Pleasant Hill Elementary	600	Westwood Elementary	335
Fair Oaks Elementary	275	Rio Vista Elementary	475	Woodside Elementary	350
Gregory Gardens Elementary	350	Sequoia Elementary	550	Wren Avenue Elementary	350
Hidden Valley Elementary	775	Shore Acres Elementary	425	Ygnacio Valley Elementary	462
Highlands Elementary	575	Silverwood Elementary	450		

Preliminary Capacity Analysis: Elementary Schools (Current Utilization)

Elementary School	Total	Elementary School	Total	Elementary School	Total
Ayers Elementary	522	Holbrook Language Academy	396	Strandwood Elementary	612
Bancroft Elementary	642	Meadow Homes Elementary	954	Sun Terrace Elementary	462
Bel Air Elementary	636	Monte Gardens Elementary	564	Valhalla Elementary	588
Cambridge Elementary	738	Mountain View Elementary	360	Valle Verde Elementary	522
Delta View Elementary	720	Mt. Diablo Elementary	810	Walnut Acres Elementary	720
El Monte Elementary	480	Pleasant Hill Elementary	708	Westwood Elementary	342
Fair Oaks Elementary	348	Rio Vista Elementary	564	Woodside Elementary	360
Gregory Gardens Elementary	424	Sequoia Elementary	660	Wren Avenue Elementary	408
Hidden Valley Elementary	912	Shore Acres Elementary	504	Ygnacio Valley Elementary	480
Highlands Elementary	696	Silverwood Elementary	534		

Preliminary Capacity Analysis: Secondary Schools (Education Code 17071.25)

Middle School	Total	High School	Total
Diablo View Middle	741	College Park High	1,875
El Dorado Middle	995	Concord High	1,833
Foothill Middle	930	Crossroads High	324
Oak Grove Middle	861	Gateway High	54
Pine Hollow Middle	740	Mt. Diablo High	2,212
Pleasant Hill Middle	997	Northgate High	1,497
Riverview Middle	1,065	Olympic Continuation High	540
Sequoia Middle	835	Prospect High	54
Valley View Middle	901	Summit High	135
		Ygnacio Valley High	1,997

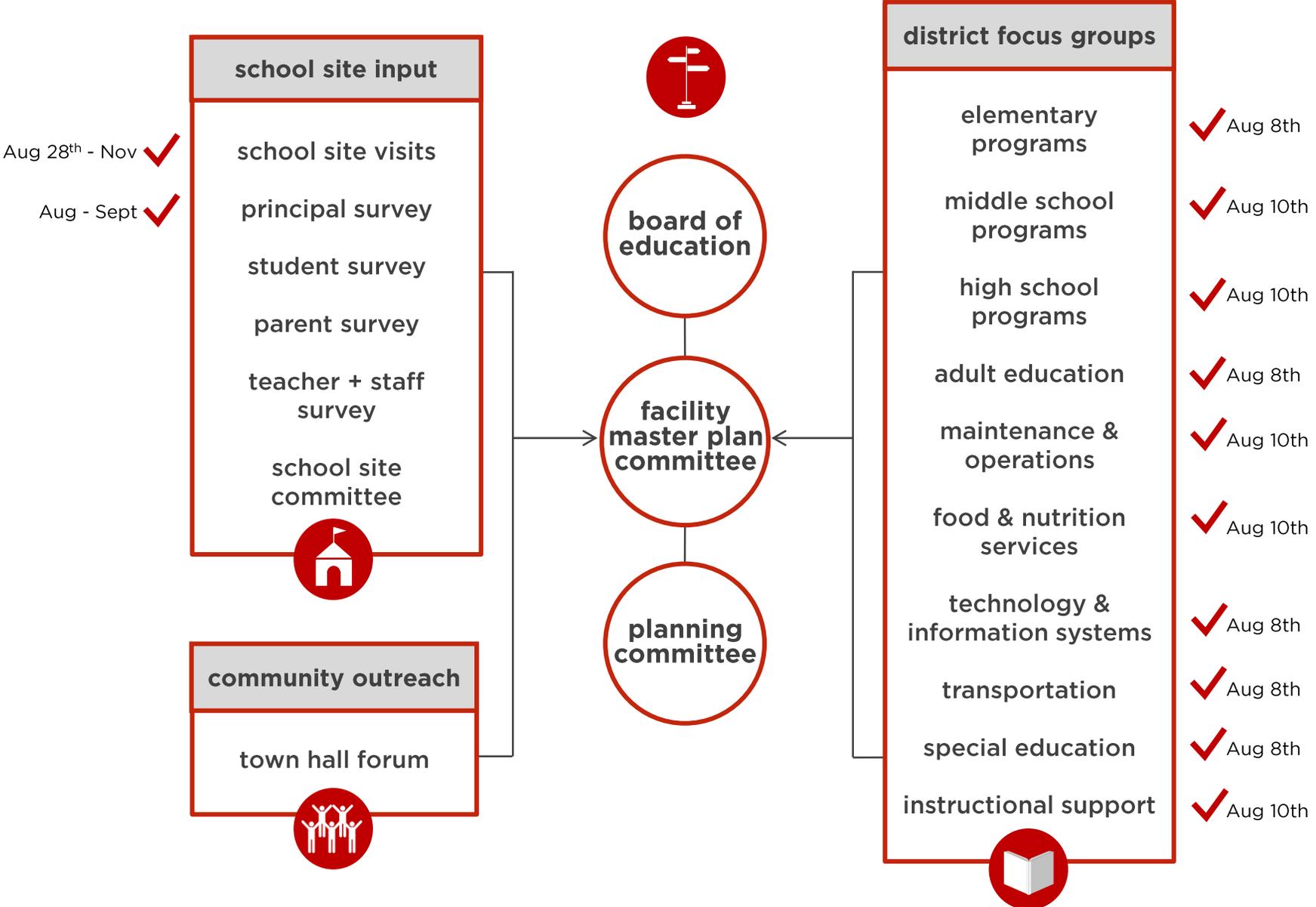
Preliminary Capacity Analysis: Secondary Schools (Current Utilization)

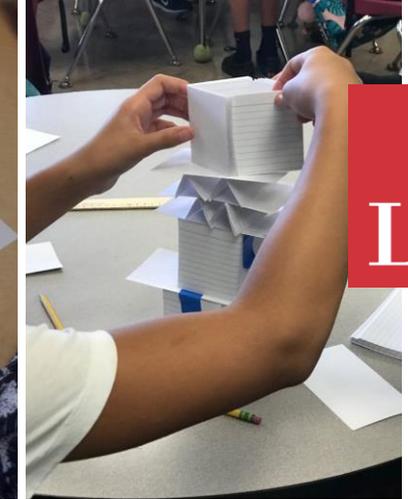
Middle School	Total	High School	Total
Diablo View Middle	819	College Park High	1,877
El Dorado Middle	1,094	Concord High	1,831
Foothill Middle	1,029	Crossroads High	300
Oak Grove Middle	948	Gateway High	50
Pine Hollow Middle	815	Mt. Diablo High	2,213
Pleasant Hill Middle	1,102	Northgate High	1,498
Riverview Middle	1,179	Olympic Continuation High	500
Sequoia Middle	922	Prospect High	50
Valley View Middle	991	Summit High	125
		Ygnacio Valley High	2,001

Focus Group Findings



process to-date | stakeholder engagement





stakeholder engagement | focus group findings

Elementary School Programs

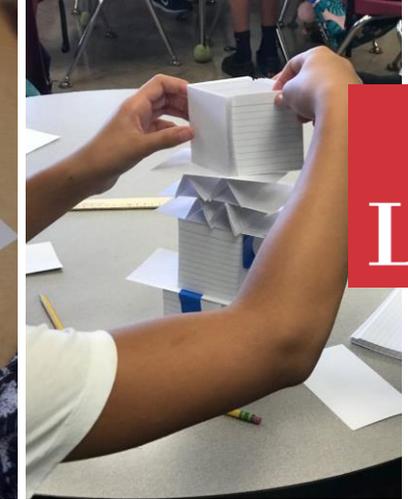
1. Take inventory of current spaces/uses, create recommendations for future that are flexible/adaptable.
2. Enhance outdoor learning, maintain balance with community/sport club use.
3. Student safety.

Middle School Programs

1. Safety in athletics.
2. HVAC on Multi-Use Rooms, Gym.
3. VAPA/Music, Maker/Lib, multimedia.
4. Flexible seating in classrooms.

High School Programs

1. Infrastructure to support technology in all areas.
2. Upgrade facilities, larger classroom areas.
3. Community access to site: providing nice amenities for the community to use and to promote school pride.



stakeholder engagement | focus group findings

Adult Education

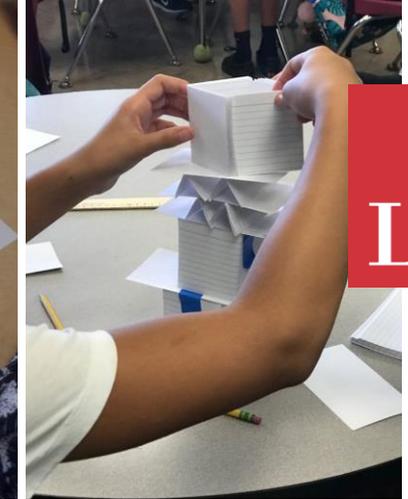
1. Flexible space to adjust as needed. Classes available when the students are available.
2. MU-Room upgrade.
3. Parking/traffic flow reconfigure.
4. Landscaping/irrigation.
5. Wayfinding/signage.
6. Lighting.
7. Restrooms (additional)

Special Education

1. Align feeder patterns and enroll students based on residence.
2. Ensure programs are integrated among school campuses.
3. Consider all related service needs when implementing a program at a specific site.

Instructional Support

1. Library transformations: establish instructional media centers at all sites
2. Multi-Use rooms: HVAC, safe/functional performance areas



stakeholder engagement | focus group findings

Maintenance + Operations

1. Safety / intrusion fencing
2. Central controls, HVAC, security, lighting
3. Staffing (and support facilities to house added staff)
4. Setting students up for success after HS who don't have the opportunity/ pathway to college
5. No more band-aid fixes
6. Irrigation and curb appeal

Food + Nutrition Services

1. Paint kitchens, new serving line equipment, 3-compartment sinks.
2. Design the long-term kitchen, with a more appealing aesthetic.
3. Secondary schools to have more access points.

Tech + Information Systems

- Develop Standard Classroom Tech:
- 1:1 ratio for chromebooks
 - 75" TV monitors instead of projectors
 - Wireless access indoor/outdoor

Transportation

- Ideal: all transportation personnel under one roof.
- Conveyed an ideal organization for transportation department.
- Needs:
 - Bus and staff parking
 - Shop accommodating tall/large vehicles



Facilities Needs Assessments

Findings To-Date...Revisited



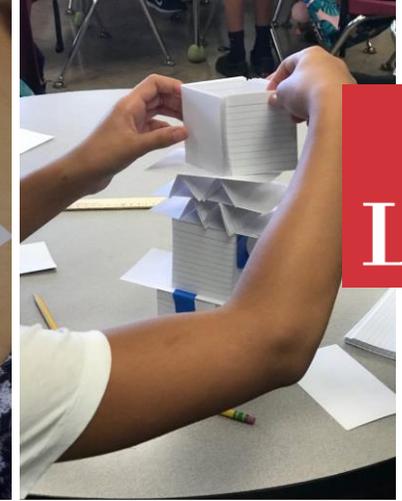
facility needs assessments | process

Why are needs assessments important?

- To determine the approximate scope of work necessary to renovate and/or add instructional and support spaces to the level specified in the Educational Standards developed as part of the Facilities Master Plan process.

What is the needs assessments process?

- EMG reports - Site assessments walking all sites
- QC process - Meeting with LPA, EMG + District to review and verify report accuracy



facility needs assessments | good work done to-date

Measure A (1989): Facility Modernization/Renovation (painting, roofing, paving, fire protection), 13-New Multi Use rooms, 5-New PE Buildings, Accessibility Improvements

Measure C (2002): Electrical service infrastructure, Portable replacement, Facility Modernization/Renovation (ext. lighting, roofing, paving, restroom upgrades)

Prop 55 Program (2004): Athletic upgrades, PAC and Multi-Use renovations, bleachers, stadium lighting, partial district HVAC

Measure C (2010): Solar Projects, technology modernization, and partial modernizations related to: HVAC, restroom upgrades, hardscape repair, door/roof/facilities/portable replacement, food service improvements related to code compliance

Ongoing deferred maintenance + other local funding activities



facility needs assessments | common themes

Original construction in the 1950's and 1960's

Future capital needs (within 1-10 years):

- Building enclosure
- Interior finishes
- Roofing
- Site utility infrastructure
- Fire protection systems
- Furnishings
- Landscape



facility needs assessments | immediate capital needs

Highlands Elementary

site utility infrastructure
cabinet replacement for
ada issues

Holbrook Language Academy

site utility infrastructure

Wren Ave. Elementary

site utility infrastructure
roofing replacement

Diablo View Middle

skylight repair



facility needs assessments | immediate capital needs

Oak Grove Middle

- site utility infrastructure
- repair minor plumbing issues
- sidewalk replacement

Clayton Valley High

- site utility infrastructure
- building enclosure - paint and stucco
- replace/repair covered walkway

Mt. Diablo Elementary

- site utility infrastructure
- roofing replacement within 5 years
- replace windows within 3 years

College Park High

- site utility infrastructure
- site drainage issues
- covered walkway replacement



facility needs assessments | immediate capital needs

Willow Creek Center

roofing replacement
carpet/flooring repair

Shadelands School

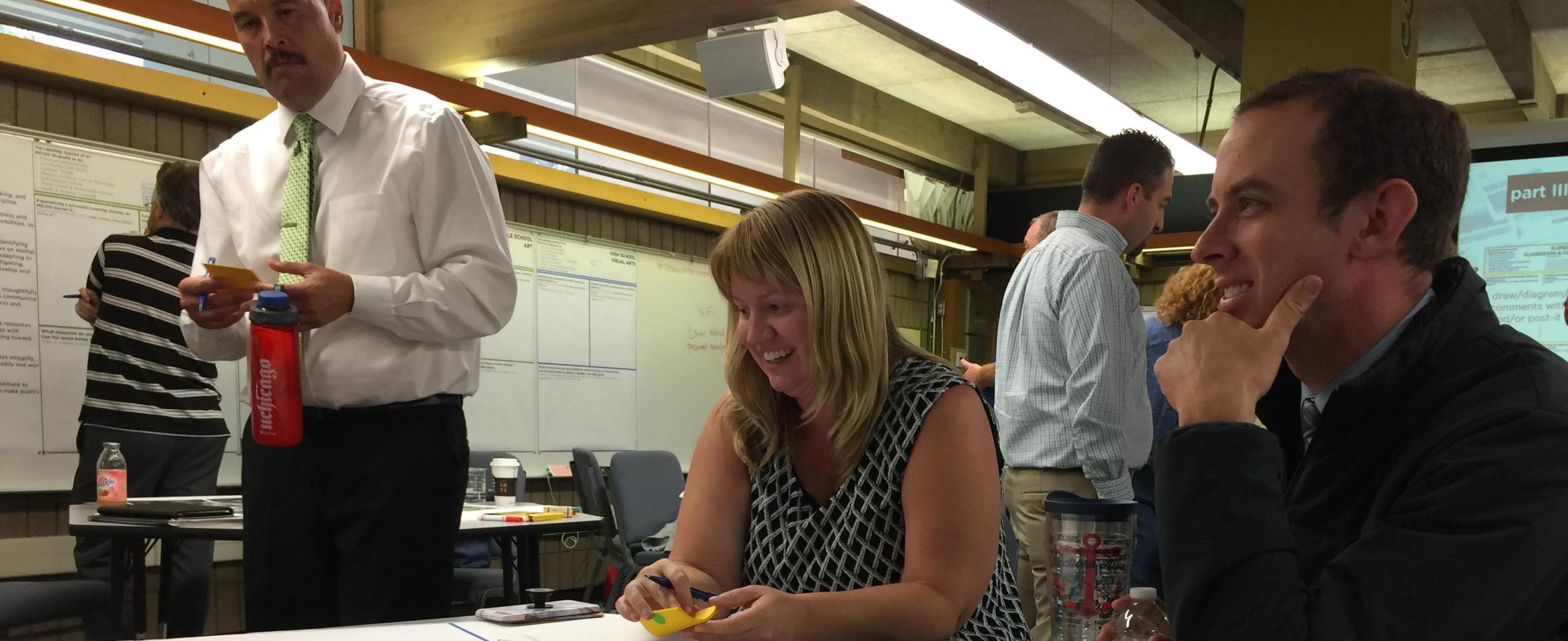
site utility infrastructure
parking lot/concrete repair

Sunrise School

site utility infrastructure
modify landscape at
mechanical equipment
yard

Olympic Continuation High

site utility infrastructure
kitchen- space and
equipment upgrades
flooring replacement in
multi-use room

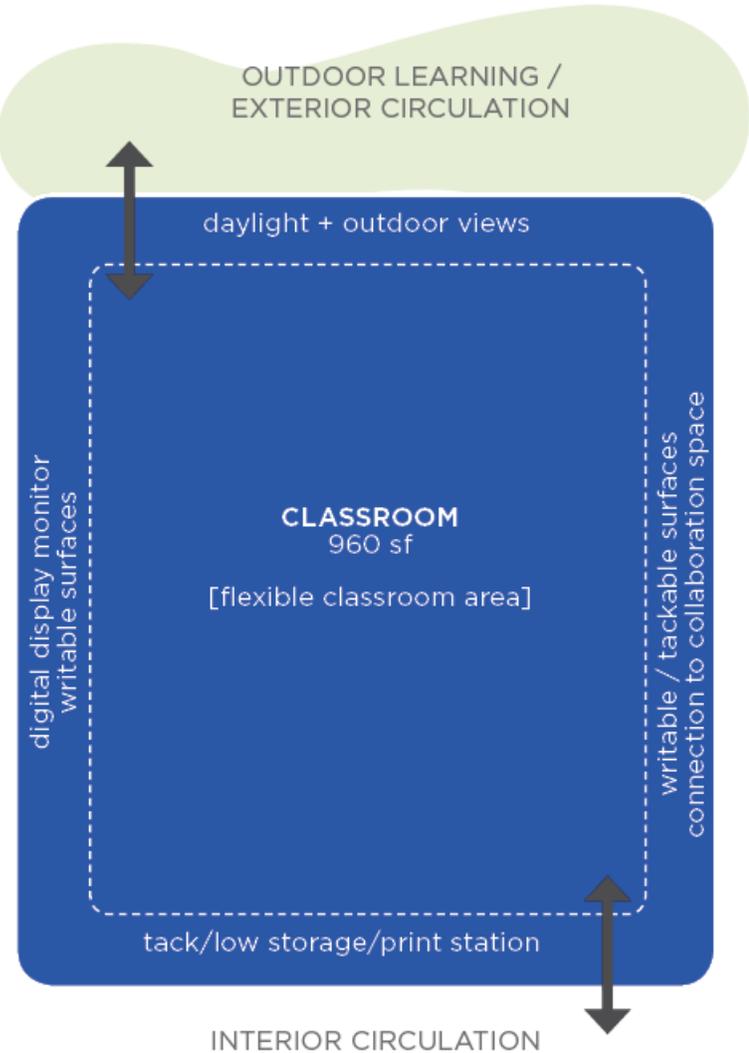


Secondary Educational Program Spaces

High School Ed Spec Review



high school spaces | classroom



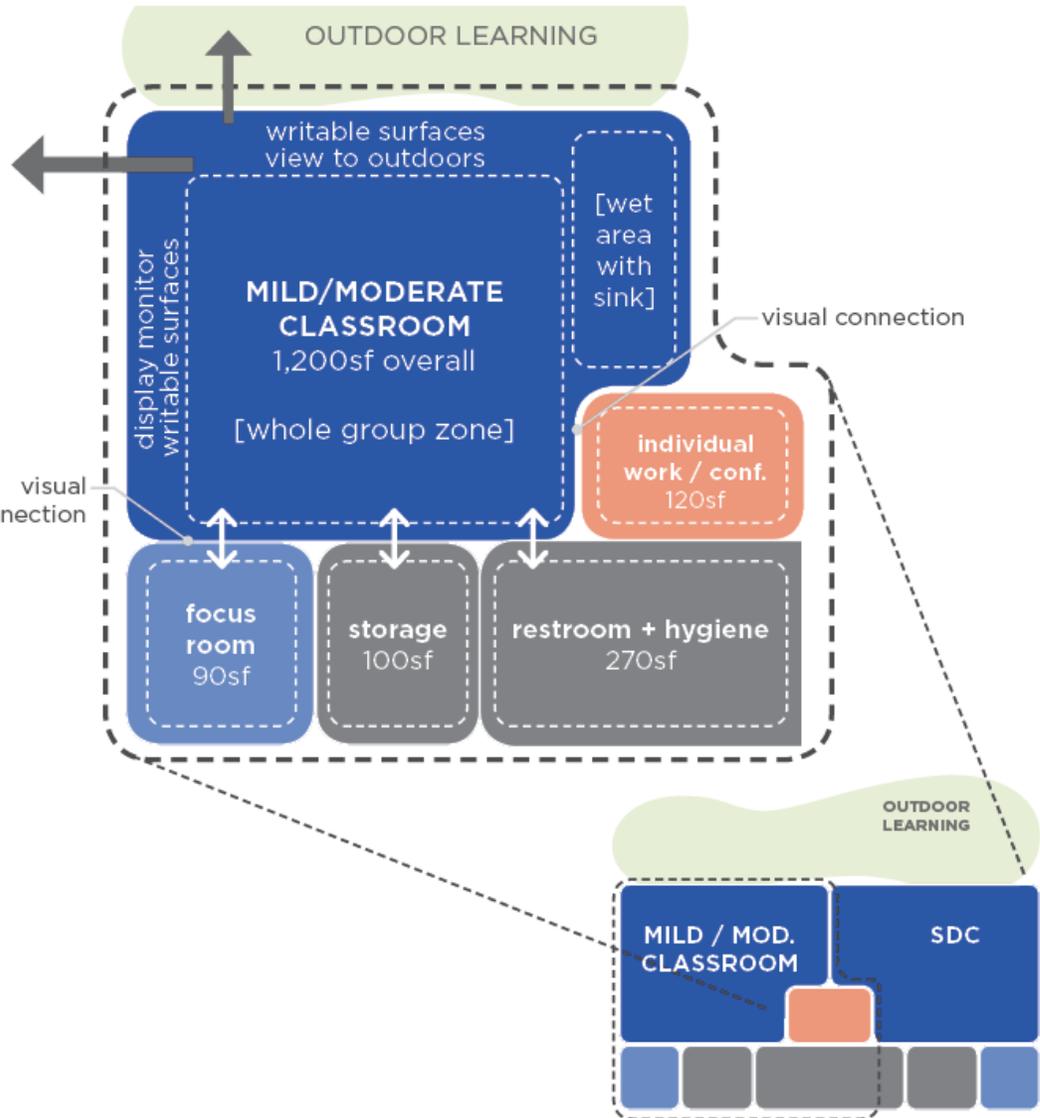
individual tables and chairs that can combine or be pushed aside to create a collaborative environment when needed.

whiteboard walls. laptop carts, electrical outlets and reliable wifi. workstations that can print.

connection to outdoor spaces.



high school spaces | special education: mild/mod



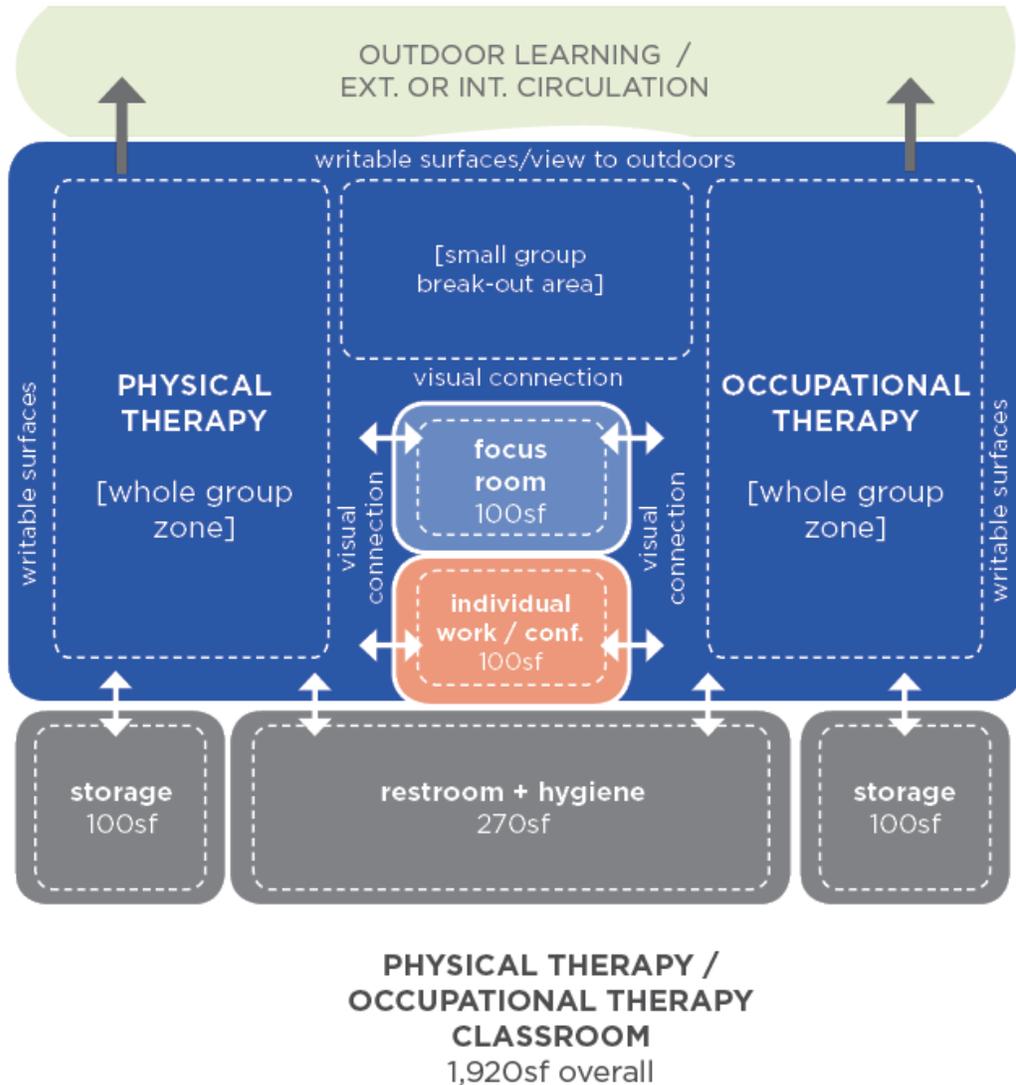
proximity to resources

privacy/decentralized for some services, yet not always on the edge of campus.

acoustic consideration including emergencies and drills



high school spaces | physical + occupational therapy



proximity to resources

privacy/decentralized for some services, yet not always on the edge of campus.

acoustic consideration including emergencies and drills



high school spaces | learning center

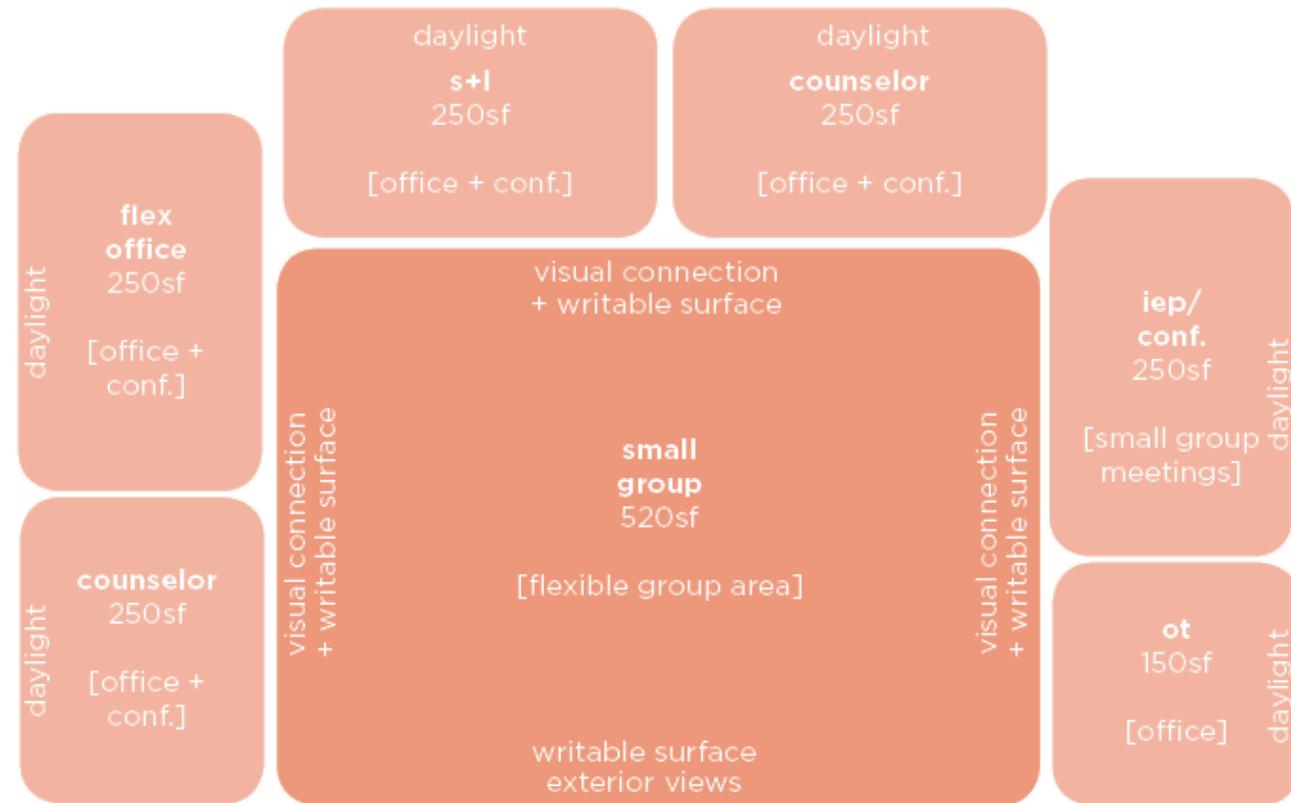
centralized space within campus

accommodate small to medium sized groups

sense of privacy/confidentiality

indoor/outdoor connection.

natural lighting.



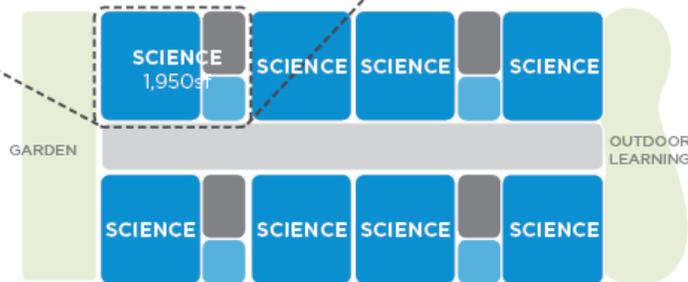
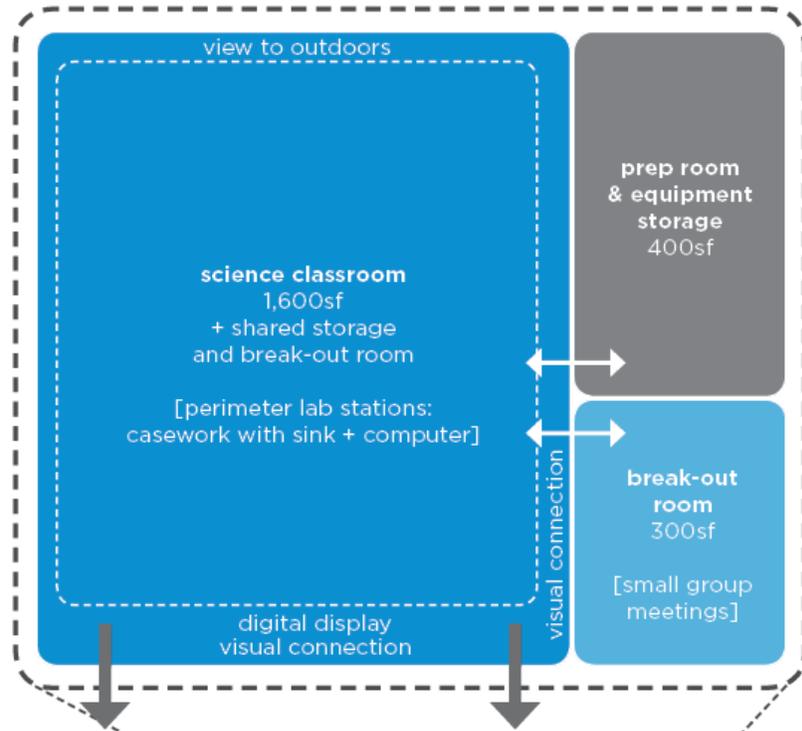
high school spaces | science lab



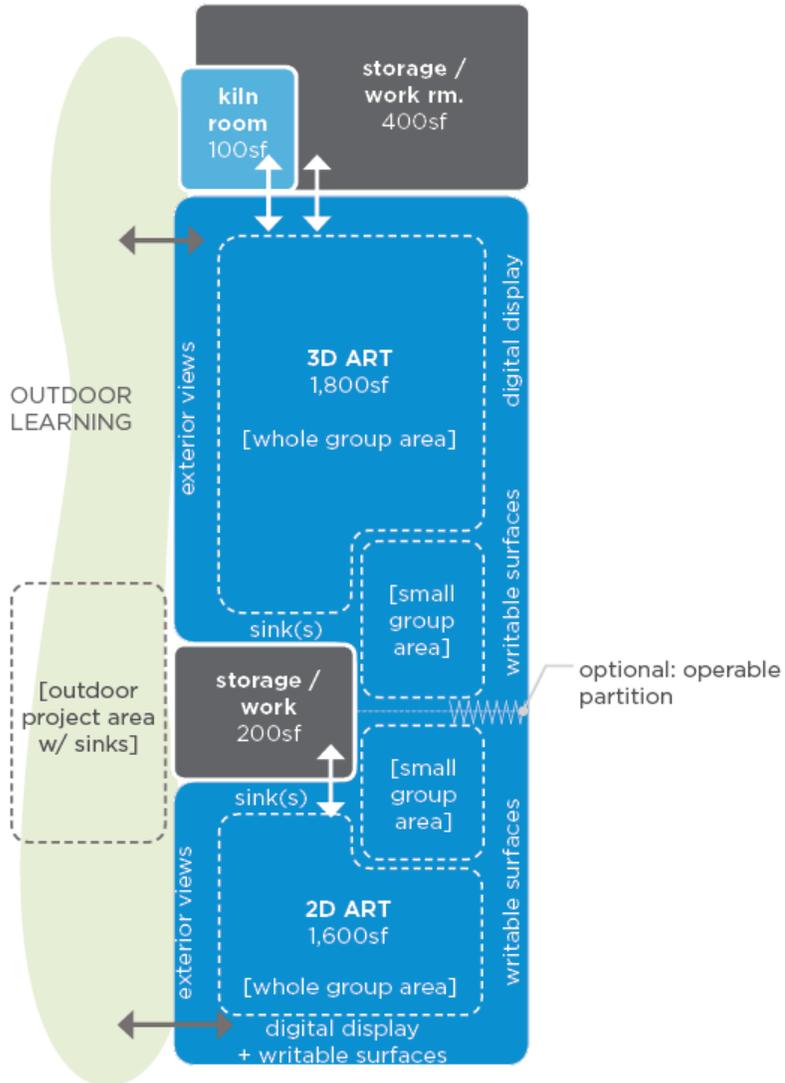
computers for each lab station for analyzing data.

*peninsular lab benches surrounding seating areas with sinks & gas
adequate storage areas, chemical storage and prep areas.*

outdoor access is a bonus, but not essential



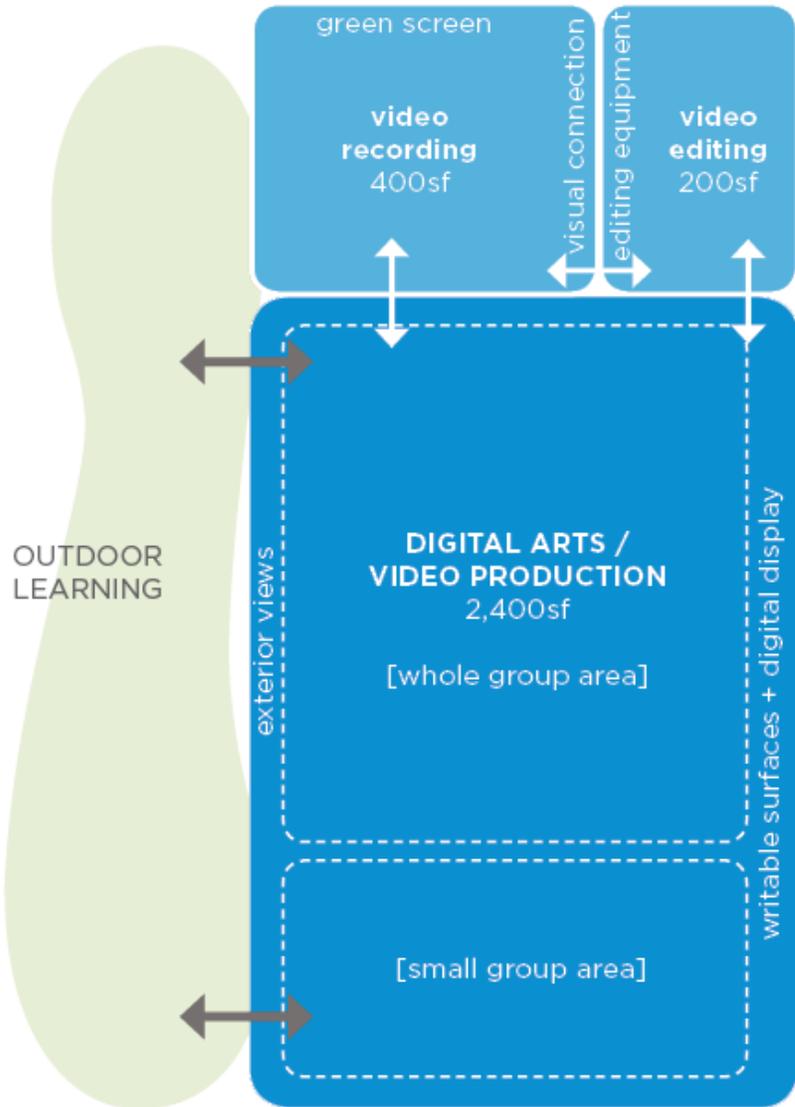
high school spaces | 2D + 3D art



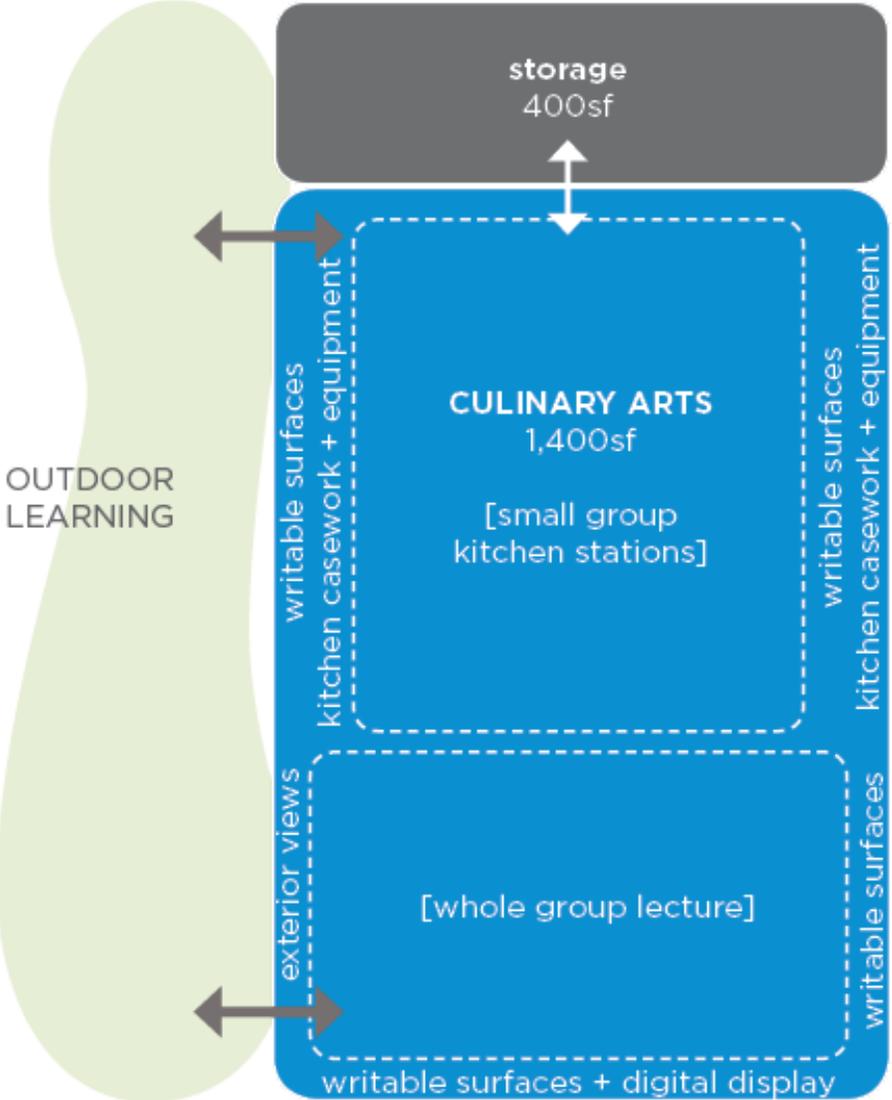
space for students to create and collaborate
mixed media, ceramics, paints, inks, chalks, etc.
ipads and digital software
control over lighting for compositions.



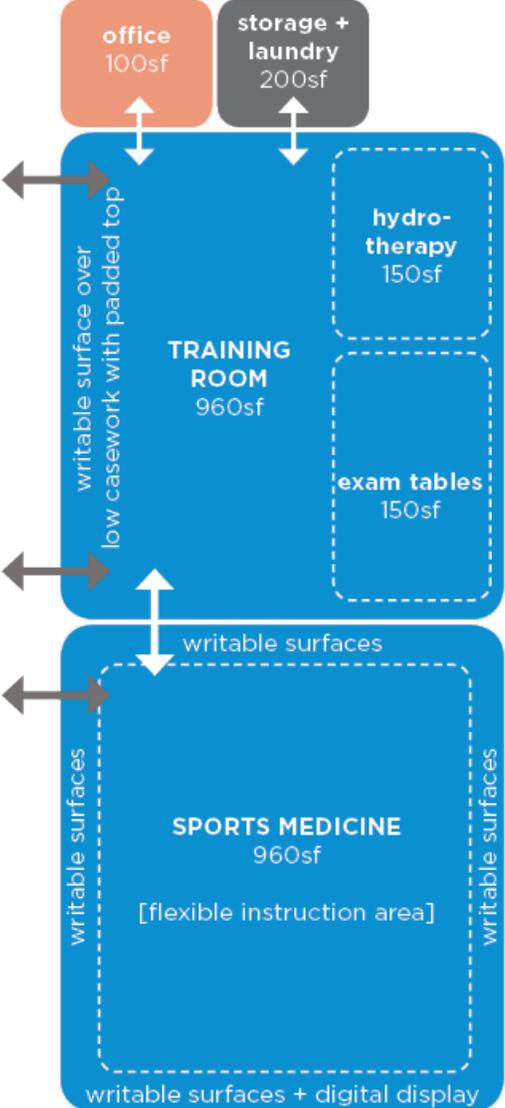
high school spaces | digital arts + video production



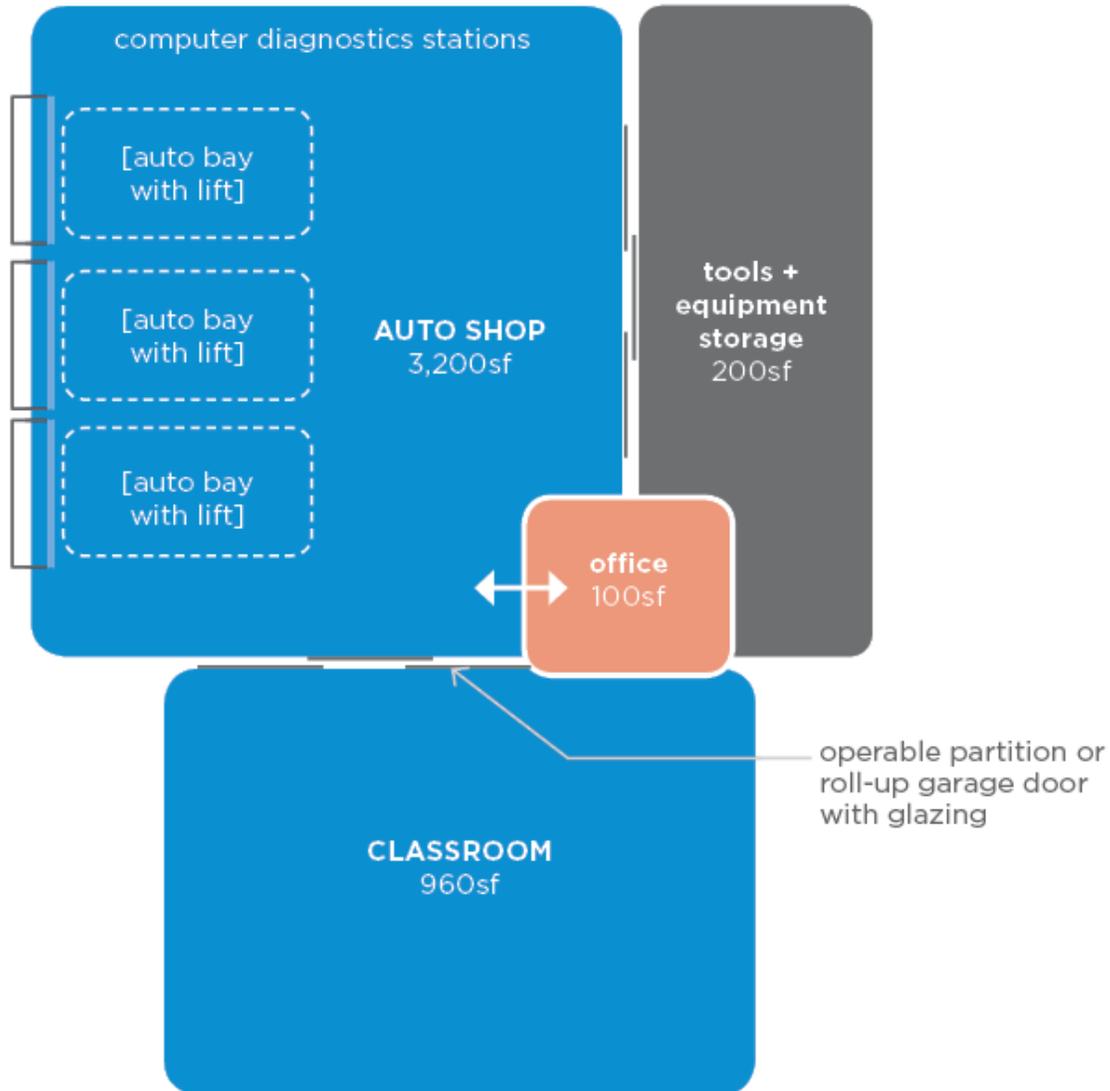
high school spaces | culinary arts



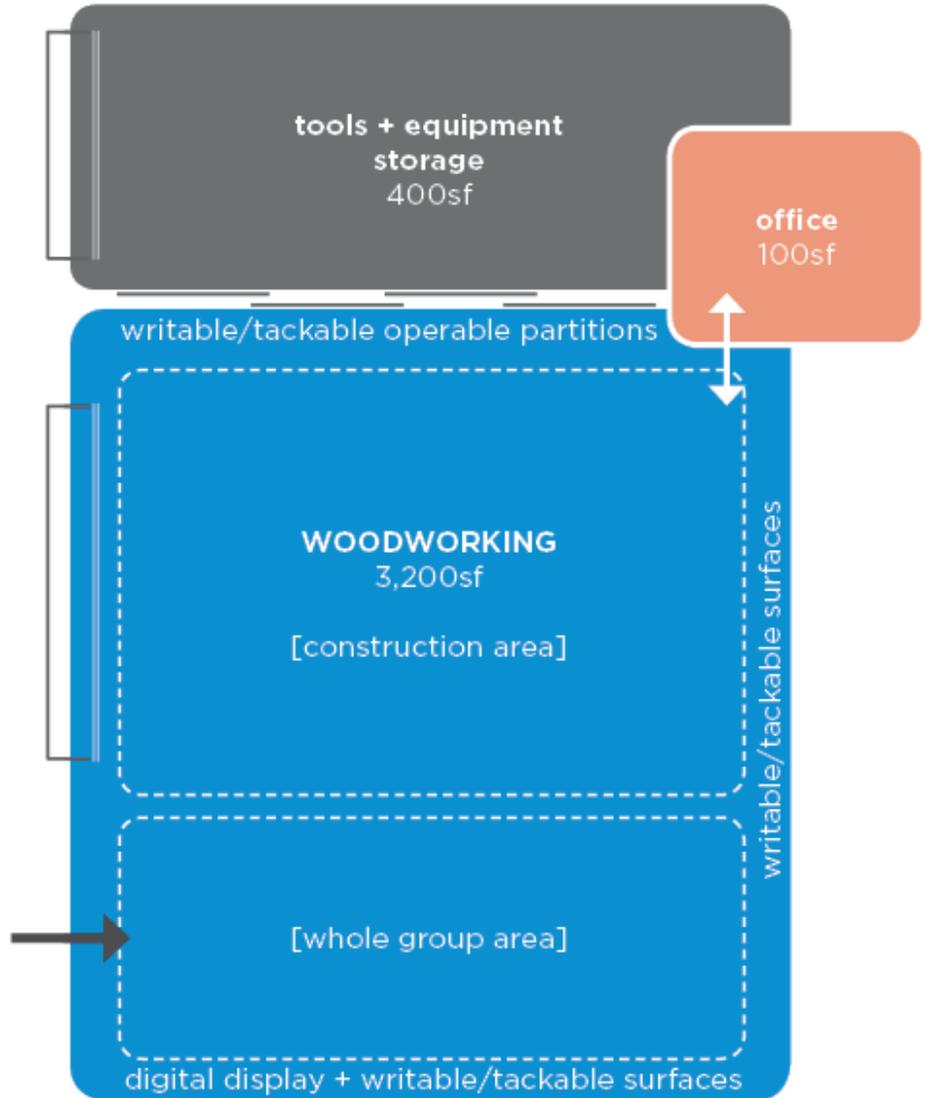
high school spaces | sports medicine



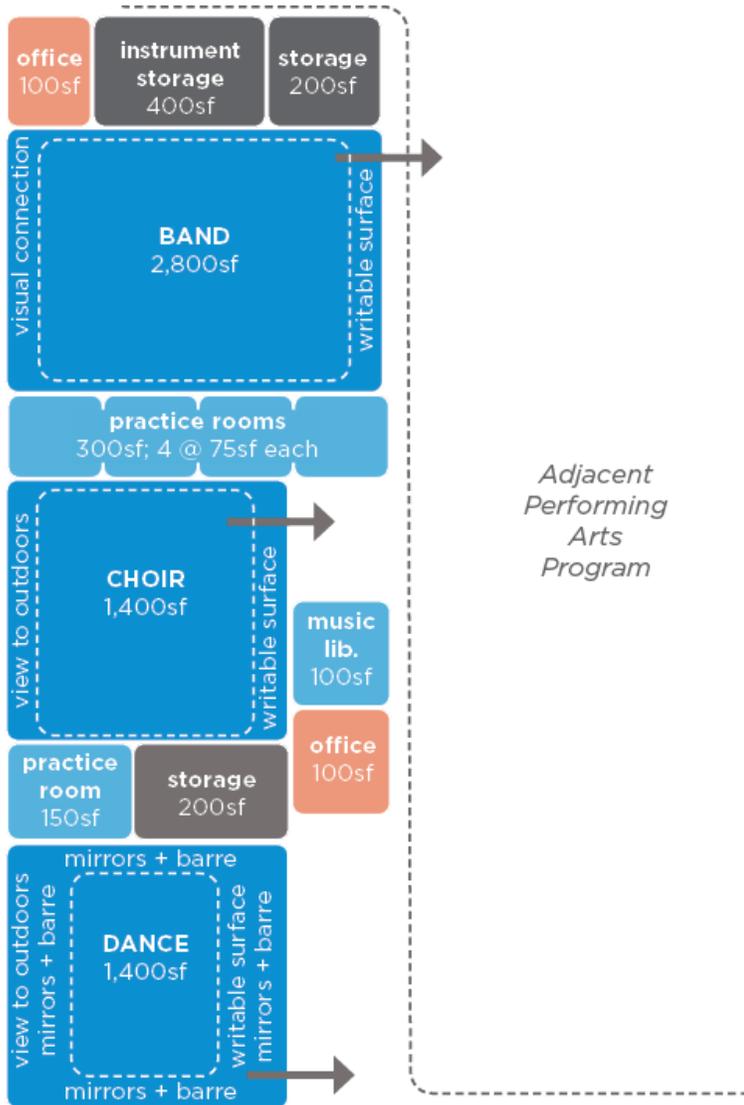
high school spaces | auto technology



high school spaces | woodworking + construction



high school spaces | band, choir, dance



Adjacent
Performing
Arts
Program

sound systems

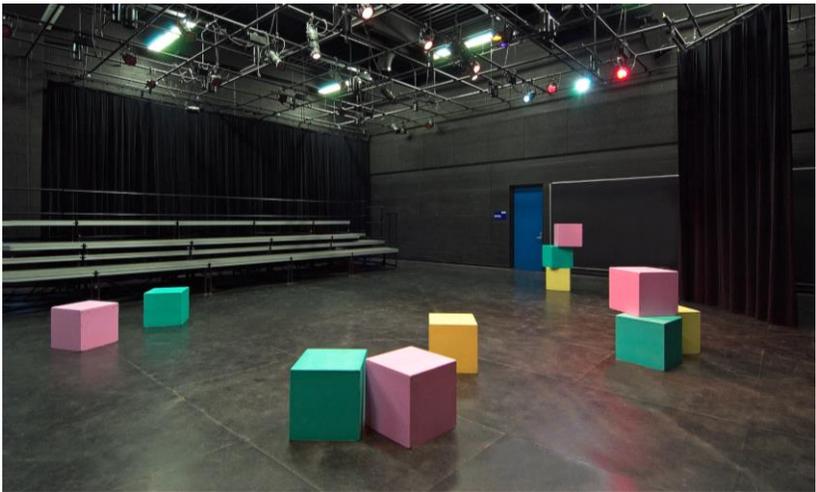
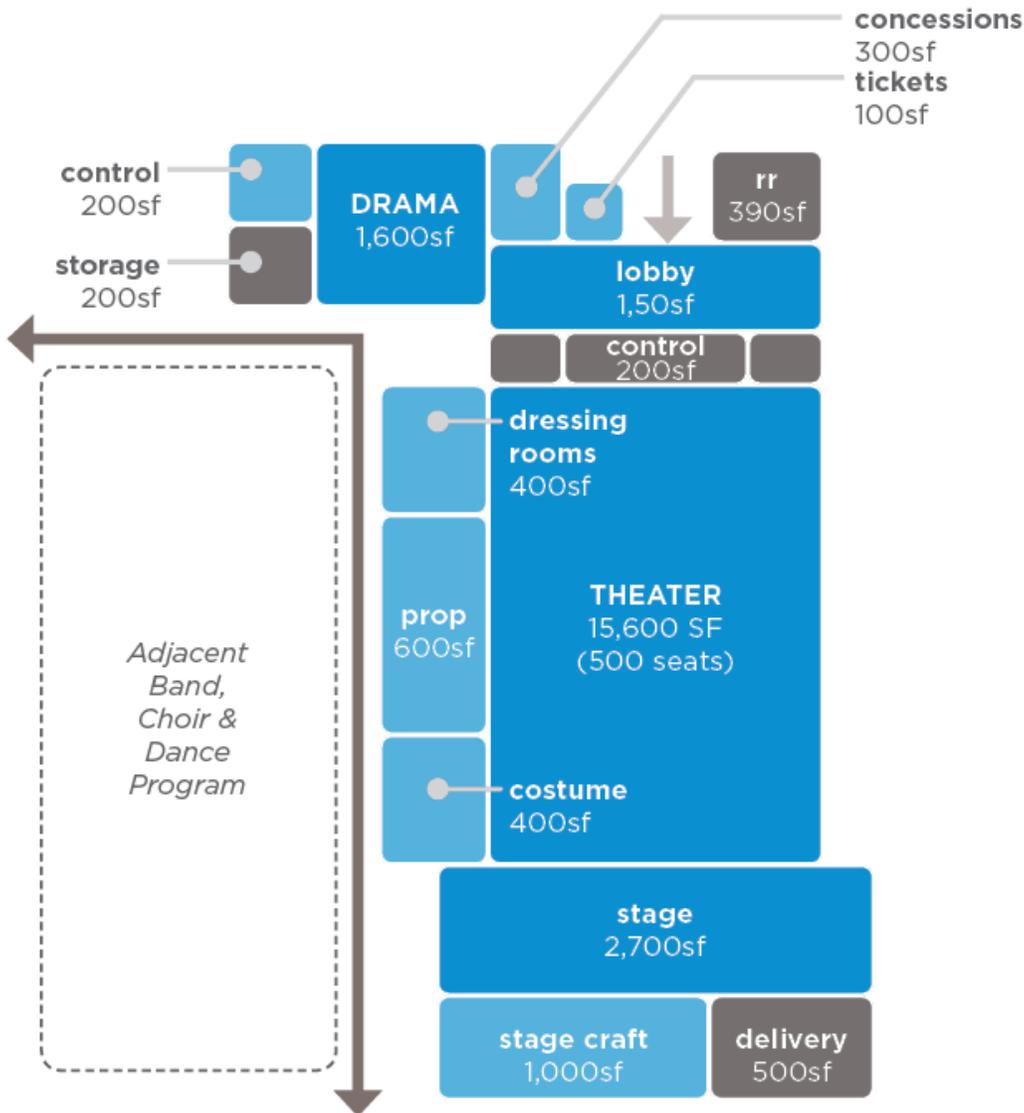
chair and music stand storage racks

cubbies/lockers for instruments

good acoustics! no earplugs needed.

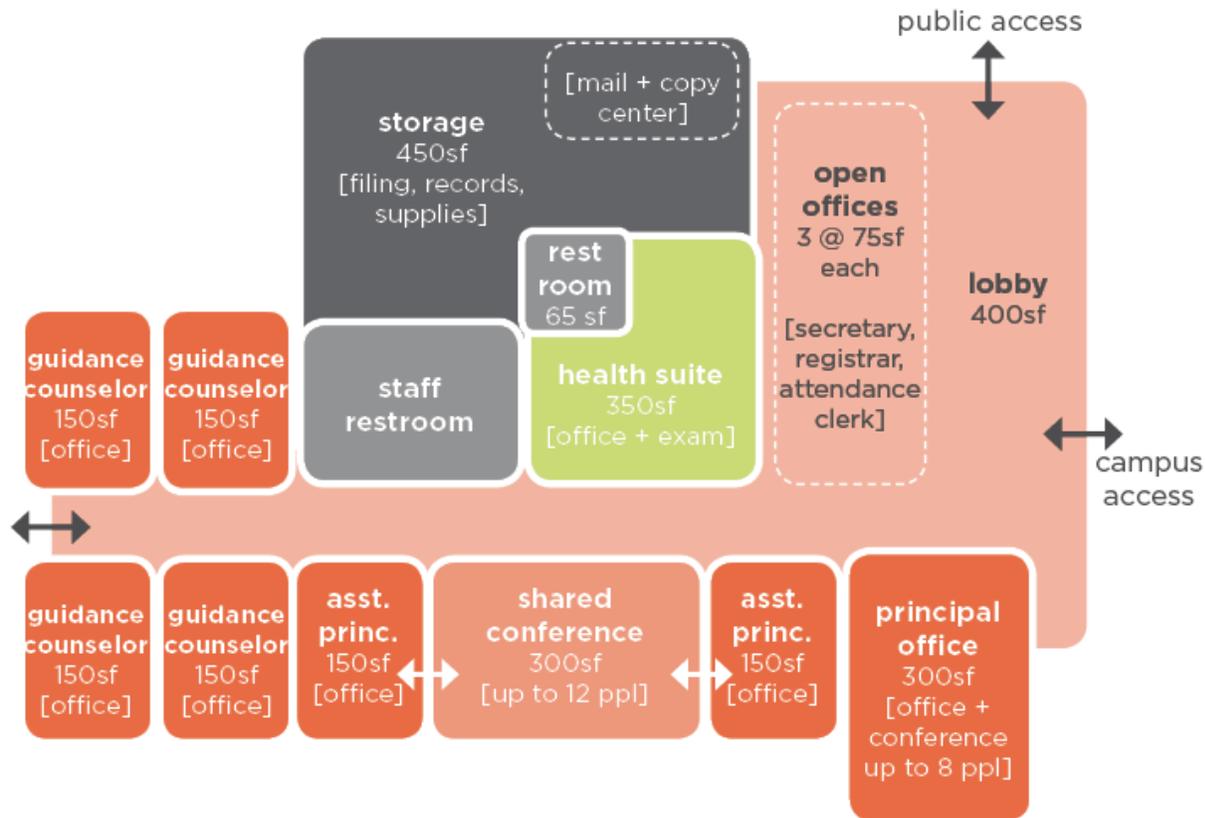


high school spaces | performing arts



high school spaces | administration

mix of school use and community/volunteer use
student friendly space. welcoming to family and guests.
transparency of school resources is important
no fluorescent lights. warm and inviting.
de-stigmatize “being sent to the office”



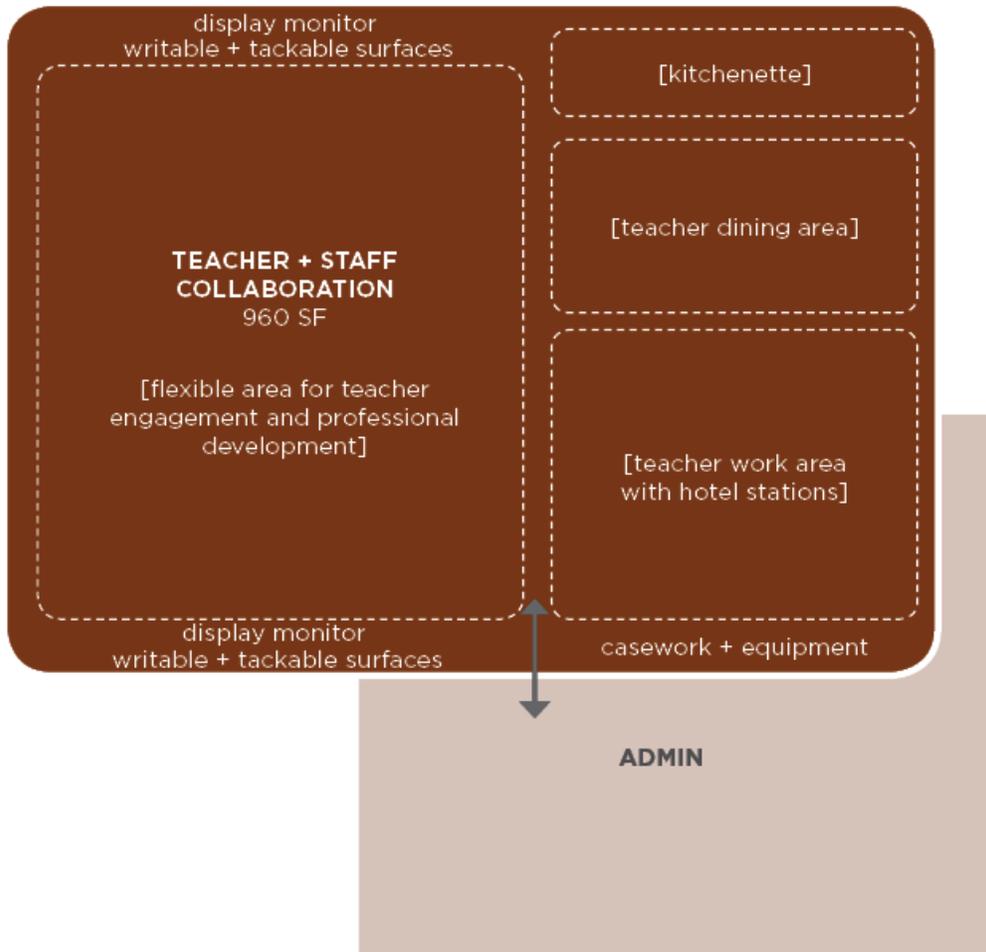
high school spaces | teacher + staff collaboration

a flexible, centralized and team-centric space.

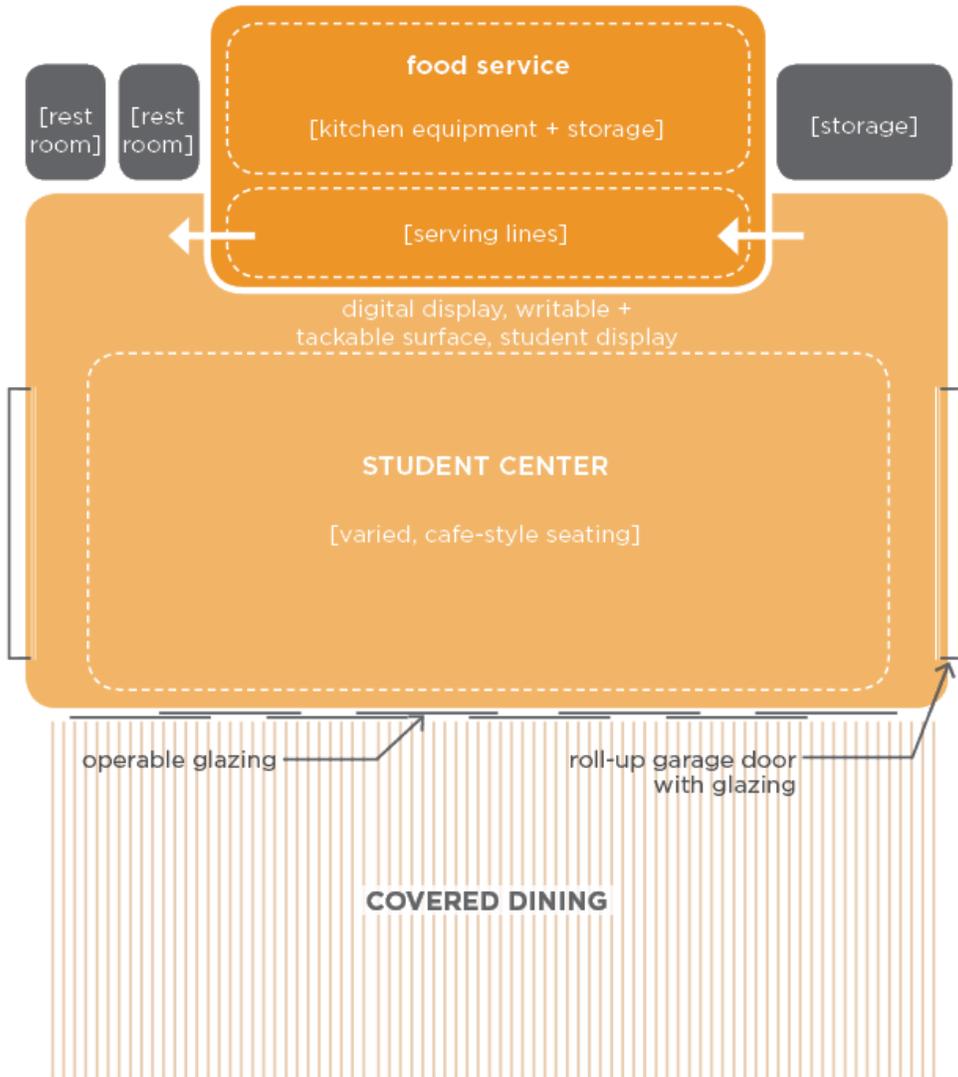
a space for teachers to quietly prep and a space to collaborate and present

sense of staff ownership. comfortable furniture to create a space to decompress.

reflection of student spaces



high school spaces | student center



balance between food service/dining and social engagement.

primarily centralized within the campus

spaces within should be flexible to accommodate informal gatherings, club meetings, study groups, dining.

lots of flexible/collapsible seating and tables are needed.



high school spaces | media center

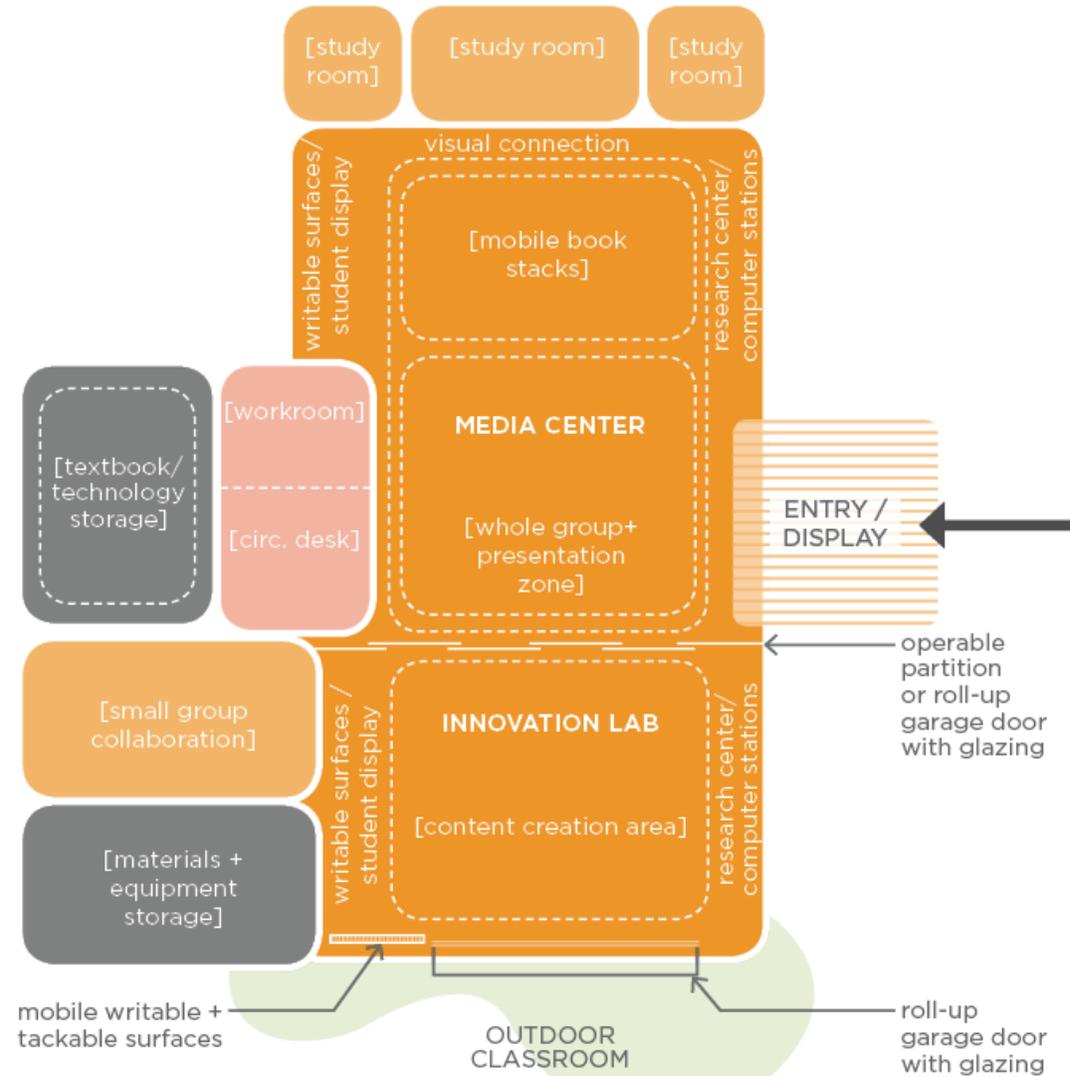


social hall/maker space

lots of seating. for informal and formal gatherings/presentations

different zones ranging from active to quiet.

librarian available everyday.



high school spaces | practice gymnasium

[seating for 1,000 max]

PRACTICE
GYMNASIUM
14,000sf

equip.
+ uniform
storage
600sf

restroom
200sf

restroom
200sf

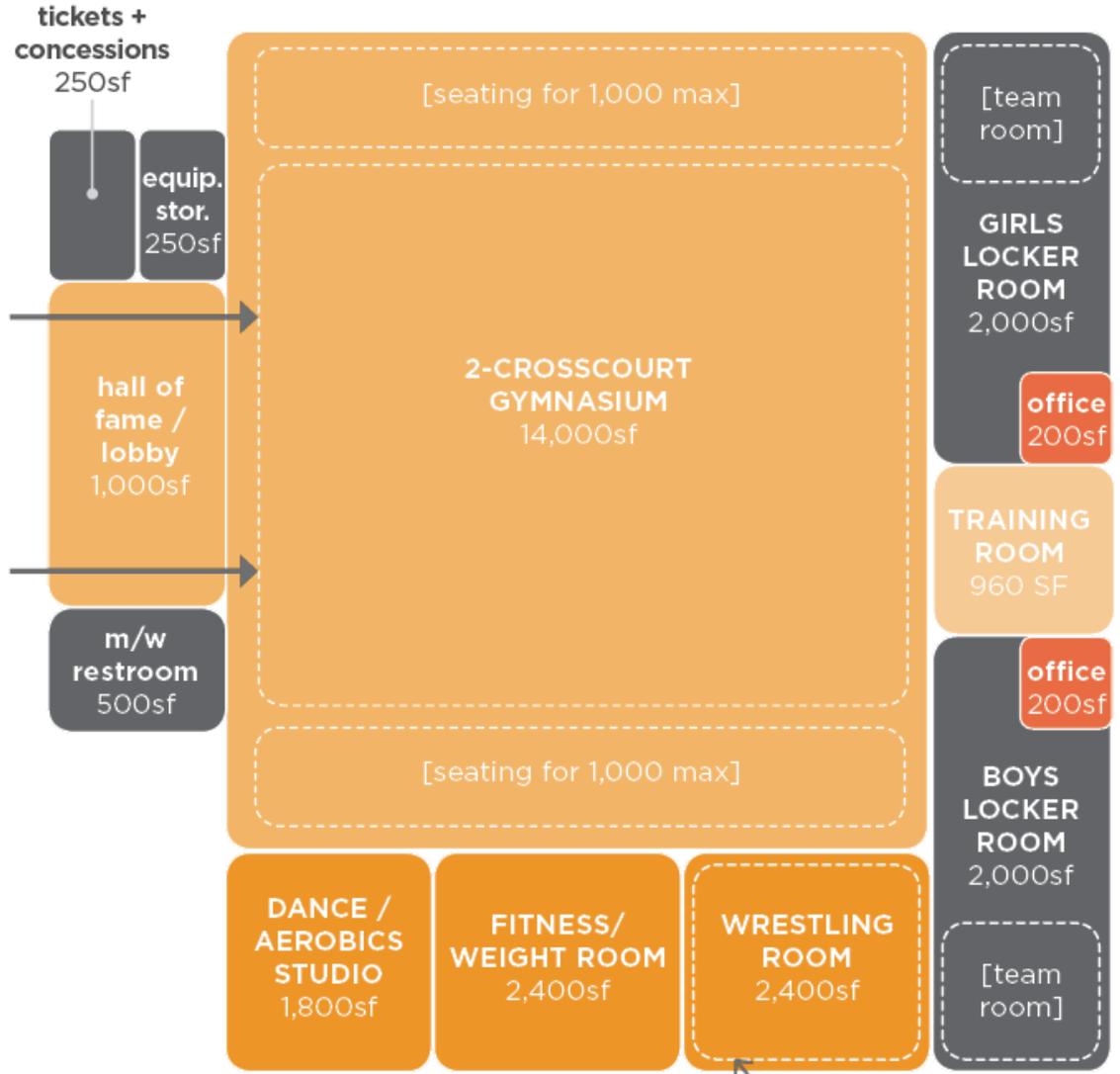
community shared space at school's perimeter with amenities attached.

variety of fitness activities, climbing walls, yoga.

outdoor activities moved indoor for rainy days.



high school spaces | competition gymnasium



community shared space at school's perimeter with amenities attached

variety of fitness activities, climbing walls, yoga

retractable bleachers to seat entire school

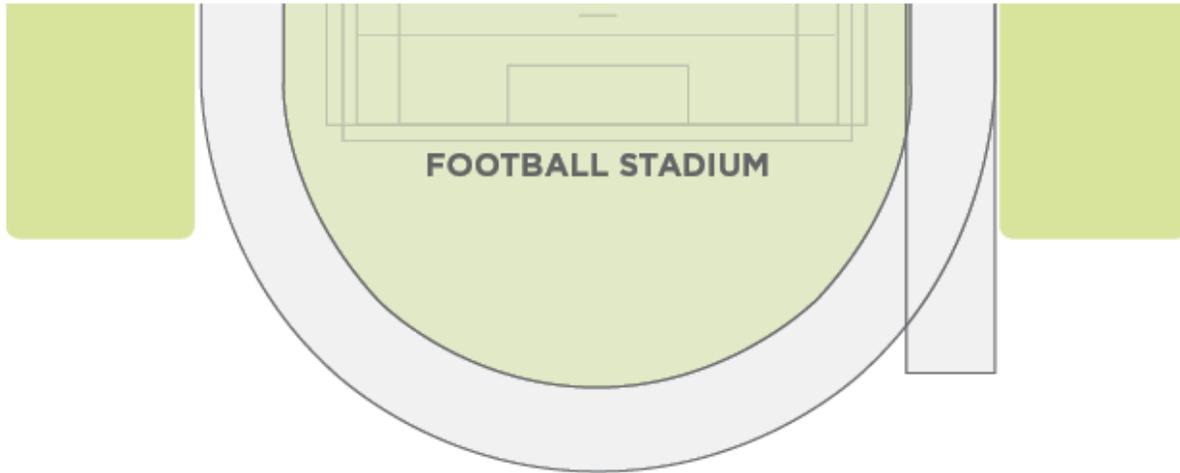
screens for showing video presentations

attached to locker rooms and student union



40' x 40' wrestling mat

high school spaces | field house

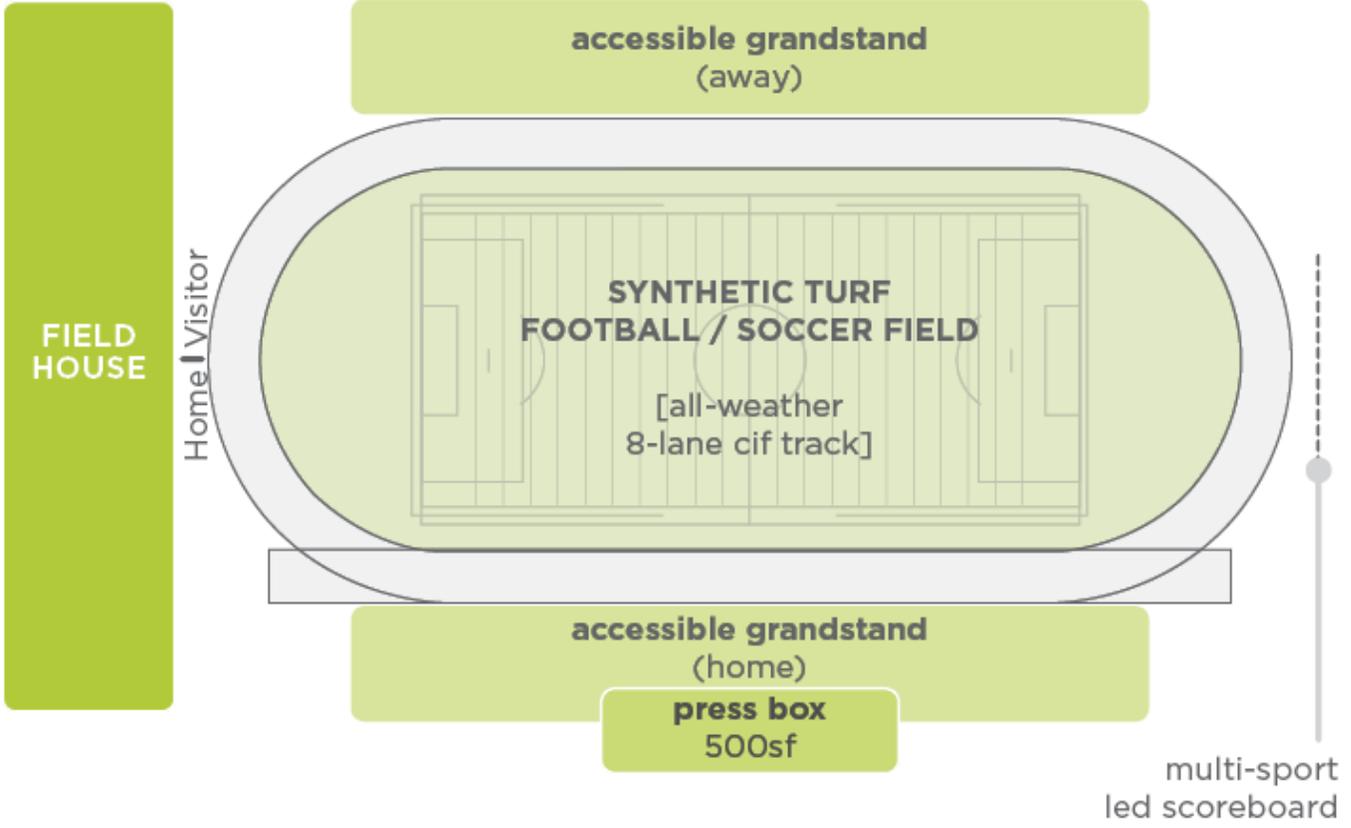


community shared space at school's perimeter with facilities and amenities adjacent

general necessary facilities for athletic fields and large sporting events.



high school spaces | stadium





High School Sites Opportunity Charrette

Present Back...

- **What Needs To Stay? What Needs To Change?**
- **What Are The Big Ideas Or Creative Solutions For Your Site?**



next steps

FMPC #3

February 13th, 2019

Town Hall

Multiple Dates

Scopes of Work/Needs Categories

Draft School Master Plan Diagrams

Check the Full Schedule for the Sites You're Most Interested In

next steps | facilities master plan committee (FMPC)

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- Total Program Cost + Funding Sources Analysis
- Prioritization Voting Activity



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PROCESS



VISION



ASSESSMENTS



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