



Cleveland City Schools Educational Facilities Master Plan

August 15, 2022

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Community Tectonics Architects
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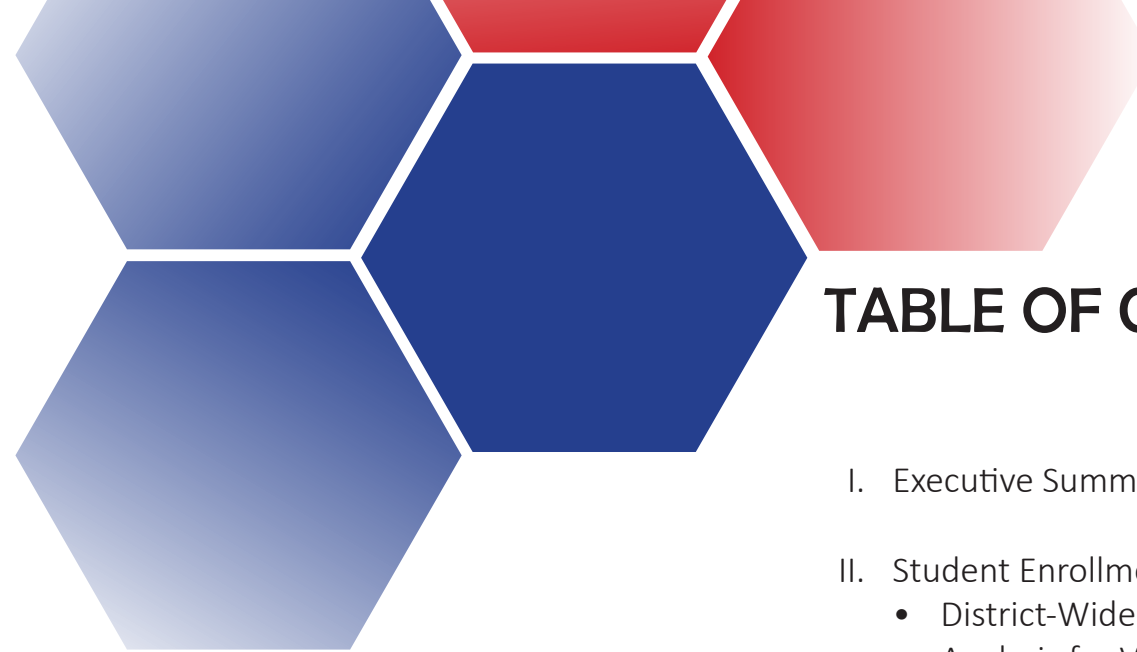
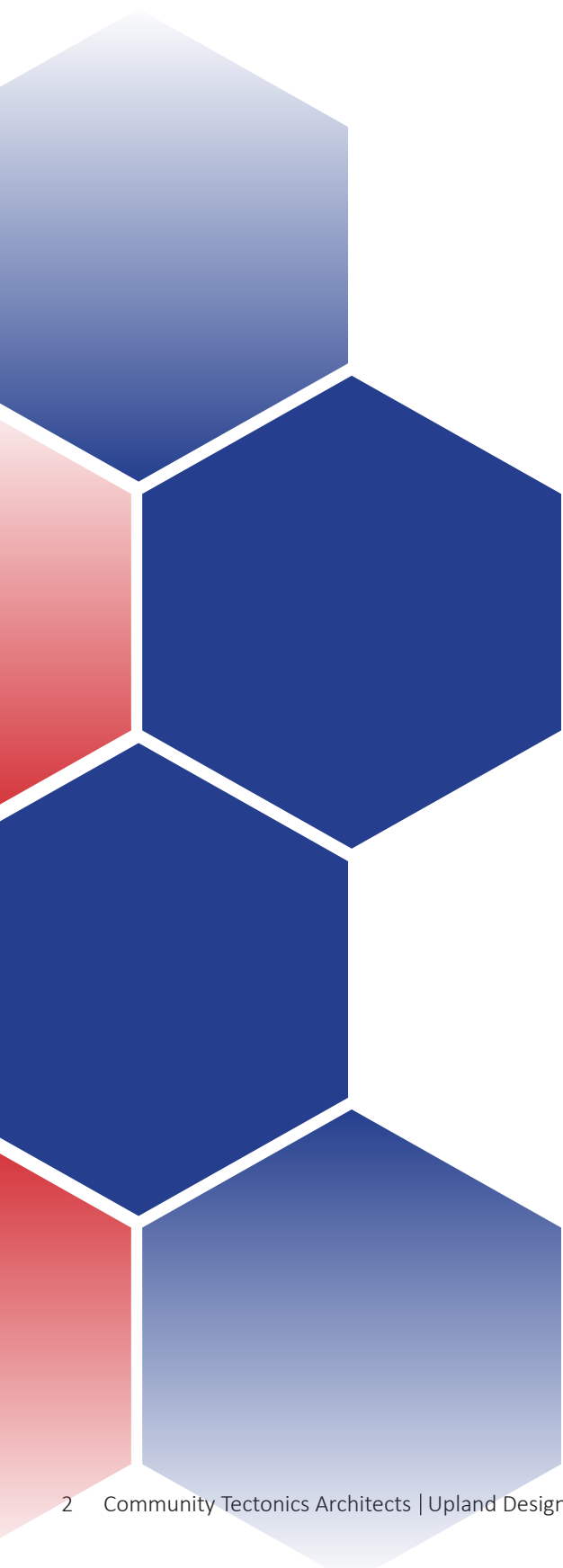


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I. EXECUTIVE SUMMARY

Executive Summary

INTRODUCTION

The purpose of the following Educational Facilities Masterplan Document is to identify and communicate the educational and physical needs of the Cleveland City School District to the community it serves.

The recommendations of the Master Plan can serve as a “guide” or “roadmap” for the incremental funding and implementation of a comprehensive Capital Improvements Plan over the next 15-20 years.

In January 2021, a planning process began to explore current and future educational program needs for each grade level and to determine the ability of each school building to accommodate program requirements. This study is intended to expand and compliment the Comprehensive 5-Year Capital Improvement Plan developed by the school district in October 2020, not to replace it.

Based on the school district’s historical data from 2009/10 until 2021/22, the student enrollment grew from 4,764 to 5,539 students. Community Tectonics’ analysis and projections indicate the total student enrollment may continue growing to 6,637 students by the school year 2035/36. This growth would be about 1.3% per year. The system-wide grade level projected student enrollment allocation by grade levels would be as follows: K-5 grades @ 2,940 students, 6th-8th grades @ 1,468 students; and 9th-12th grades @ 2,229 students. (Refer to District-wide Growth Projections, Section II.)

PLANNING PROCESS

In the initial planning workshops with Dr. Dyer and the Administrative Staff, several options were explored to identify potential solutions that can address both current and future educational program needs. Four (4) Educational Organizational Plans were considered:

OPTION #1: K-5th; 6th-8th; 9th-12th

This current plan would require additions and renovations at all schools; however, not all school sites have available area to build adequate additions.

OPTION #2: K-5th ;6th; 7th-8th; 9th-12th

This plan addresses the middle school overcrowding issue but not the K-5th issue.

OPTION #3: K-4th; 5th-6th; 7th-8th; 9th-12th

This plan appears to achieve the desired results in the most effective way. A new intermediate facility would immediately address the critical overcrowding at the middle school and all K-5 elementary schools.

OPTION #4: 9th Grade Academy

This suggestion could be a viable part of any of the other three options. It was noted as being worthy of consideration in planning future additions and renovations at Cleveland High School.

The Administrative Group agreed Option #3 was the preferred grade-level organization plan, and that it should be further evaluated to determine: its ability to adequately respond to the impacts of student enrollment projections and classroom capacity analysis for each school, critical path scheduling for implementation, relative order of magnitude in potential construction cost, and the priorities of a capital improvements plan.

Further analysis and development of District-Wide Growth Projections along with Student Enrollment Projections for various grade levels (Section 2) encouraged the planning team to recommend a *600 Student* Grade-Level Planning Model for a total maximum capacity of 7,800 students.

- Elementary Schools (K-4 or 5 grades @ 600 Students = 3,000 Students)
- Intermediate School (2 grades @ 600 Students = 1,200 Students)
- Middle School (2 grades @ 600 Students = 1,200 Students)
- High School (4 grades @ 600 Students = 2,400 Students)

Interviews with principals were conducted to establish the current needs of each school and to determine the classroom requirements for both K-5 and K-4 facilities to determine both Classroom Capacity and Optimal Planning Capacity. This grade level organization and planning model was reviewed with school principals/staff, and school board members to gain feedback. Agreement was unanimous in all our interviews and workshops that Option #3 is the preferred organization plan for the district.

Executive Summary

K-5 VS. K-4 ELEMENTARY SCHOOLS

According to individual school enrollment projections (Section III), all seven of the K-5 schools may exceed optimum planned capacity by the years 2025 and 2030. District-wide student projections in the year 2025/26 indicate the total student enrollment of 2,719 will exceed the optimal planned capacity of 2,556 students.

A six-classroom expansion at Candy’s Creek Cherokee Elementary is possible but it’s questionable to consider expansion at any of the other schools due to limited site area.

K-4 elementary schools will gain a total of 20 classrooms once 5th grade is removed. Individual school projections indicate only one school, Yates Primary, will exceed the school’s calculated classroom capacity prior to 2035. The district-wide student projections indicate total classroom capacity of the seven schools (2,489) is not expected to be exceeded prior to the year 2035.

It is important to recognize that student enrollment and projections for individual schools should be monitored on a yearly basis to determine the potential impact of many other community variables such as: annexations, migration, housing starts, birth rates etc. Recently, there has been a trend at some schools for a status quo or decline in student enrollment even though the district-wide student enrollment has shown a steady growth in the past 10 years.

Refer to Program Analysis of Individual Schools, Section III for more detail.

EXISTING

K-5 Facility and Enrollment Analysis

ELEMENTARY SCHOOLS	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms	Classrom Capacity	Optimal Planned Capacity @ 90%	2021/2022 K-5th Student Enrollment
K-5					
ARNOLD ELEMENTARY	13	14	300	270	248
BLYTHE-BOWER ELEMENTARY	3	34	730	657	623
CANDY'S CREEK CHEROKEE ELEMENTARY	11	24	520	468	452
MAYFIELD ELEMENTARY	4	21	450	405	380
ROSS ELEMENTARY	12	13	300	270	244
YATES PRIMARY	10	13	260	234	254
STUART ELEMENTARY	12	13	280	252	248
TOTALS (K-5)	65	132	2840	2556	2449
2025 District-Wide Projections for K-5 Student Enrollment			2719		
2030 District-Wide Projections for K-5 Student Enrollment			2927		
2035 District-Wide Projections for K-5 Student Enrollment			2930		

- K-5 NOTES:
- Indicates when optimal planned capacity may be exceeded; classroom capacity may be exceeded by 2030.
 - Potential expansion at Candy's Creek Cherokee Elementary (4 Classrooms @ 20 Students Each; 2 Classrooms @ 25 Students Each) increases K-5 totals by 130 students.

OPTION #3

K-4 Facility and Enrollment Analysis

ELEMENTARY SCHOOLS	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms	Classroom Capacity	Optimal Planned Capacity @ 90%	2021/2022 K-4 Student Enrollment
K-4					
ARNOLD ELEMENTARY	13	14	290	261	211
BLYTHE-BOWER ELEMENTARY	3	34	710	639	526
CANDY'S CREEK CHEROKEE ELEMENTARY	11	24	505	455	375
MAYFIELD ELEMENTARY	4	21	440	396	320
ROSS ELEMENTARY (3-4)	12	13	290	261	169
YATES PRIMARY (K-2)	10	13	260	234	254
STUART ELEMENTARY	12	13	270	243	209
TOTALS (K-4)	65	132	2765	2489	2064
2025 District-Wide Projections for K-4 Student Enrollment			2305		
2030 District-Wide Projections for K-4 Student Enrollment			2361		
2035 District-Wide Projections for K-4 Student Enrollment			2442		

- K-4 NOTES:
- K-4 gains 20 classrooms w/o 5th grade.
 - Potential expansion @ Candy's Creek Cherokee (6 Classrooms @ 20 Students) increases K-4 total by 120 students.
 - Not all support areas are regular size classrooms.

Executive Summary

CLEVELAND MIDDLE - 3 GRADES VS. 2 GRADES

The current student enrollment (1,302) at the middle school already exceeds optimal planned capacity of 1,080 students and the classroom capacity of 1,200. Even if 7th and 8th grades could increase their classroom capacity to 30 students, the optimal planned capacity of 1,224 would still be exceeded. Unfortunately, the middle school cannot easily be expanded to accommodate the planning model of 500-600 students per grade level due to limited site area. It is also questionable as to whether the size of the middle school (1,500 to 1,800 students) is educationally and socially desirable for this age group.

A middle school with two grade levels (7th & 8th) would have a classroom capacity of 1,200 to 1,440 students depending on whether it is calculated at 25 or 30 students per classroom. With a current student enrollment of 875 this facility could easily accommodate future growth based on a planning model of 500-600 students per grade level.

A new intermediate school (5th~6th) should be designed to accommodate 48 classrooms with a classroom capacity of 1200 students. Based on projected enrollment of 1058 students in 2030, the planning model of 500-600 students per grade-level will serve the community for many years to come. Refer to intermediate school space requirement analysis in Section IV.

EXISTING

Cleveland Middle School (6th~8th) Facility and Enrollment Analysis									
CLEVELAND MIDDLE SCHOOL 6-8	Total # of Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms (25/Class)	Classrom Capacity	Optimal Planned Capacity @ 90%	2021/2022 6th-8th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
	74	26	48	1200	1080	1302	1337	1442	1468
				30/Class	1360	1224			

- 6TH~8TH NOTES:
1.

Existing Middle School (6th~8th) student enrollment in 2021/2022 (1302 students) currently exceeds optimal planned capacity of 1080 students and the classroom capacity of 1200 students.
2.

Projected student enrollment in 2030 (1442 students) may exceed both optimal planned capacity and classroom capacity, even if classroom capacity is based on 30 students/classroom.

OPTION #3

Intermediate School (5th~6th) Facility and Enrollment Analysis									
INTERMEDIATE SCHOOL 5-6	Total # of Planned Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms (25/Class)	Classrom Capacity	Optimal Planned Capacity @ 90%	2021/2022 5th-6th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
	74	26	48	1200	1080	812	866	1058	959
				Future Expansion	1400	1260			

- 5TH~6TH NOTES:
1.

Classroom capacity and optimal planned capacity of a new intermediate school should not be a concern anytime prior to 2035.
2.

Intermediate school should be designed for expansion of 2 teams with 4 classrooms each; this would increase classroom capacity to 1400 students.

Middle School (7th~8th) Facility and Enrollment Analysis									
MIDDLE SCHOOL 7-8	Total # of Planned Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms (25/Class)	Classrom Capacity	Optimal Planned Capacity @ 90%	2021/2022 7th-8th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
	74	26	48	1200	1080	875	886	950	1006
				(30/Class)	1440	1296			

- 7TH~8TH NOTES:
1.

Existing BEP classroom capacity can be increased by 240 students if 7th & 8th grade assume 30 students per classroom.

Executive Summary

CLEVELAND HIGH (9TH~12TH)

Based on interviews and workshops with high school principals and teachers, it appears the existing high school can accommodate the current enrollment of 1,788 students but not without some concerns. It was noted that many of the existing “classroom” spaces are not sized adequately to accommodate the programs utilizing the spaces; the West Wing of the high school has a variety of building deficiencies that impede the desired educational program and might best be addressed by demolition and new additions. (Refer to Section VI, Block Scheduling Diagrams)

More quality spaces were suggested for expanded CTE programs, “Core” Classrooms (math, science, English, social studies, world languages), Theater, Performance, Band, Choral, Art, as well as special student services areas (Refer to Section VI, Program Analysis for Cleveland High School).

Considering the projected student growth in the school district, it may not be long before the high school enrollment exceeds the calculated classroom capacity of 1,865 students. Therefore, a classroom capacity of 2,400 students and an optimal planned capacity of 2,040 should become a priority in a Capital Improvements Plan.

EXISTING

Cleveland High School (9th~12th) Facility and Enrollment Analysis

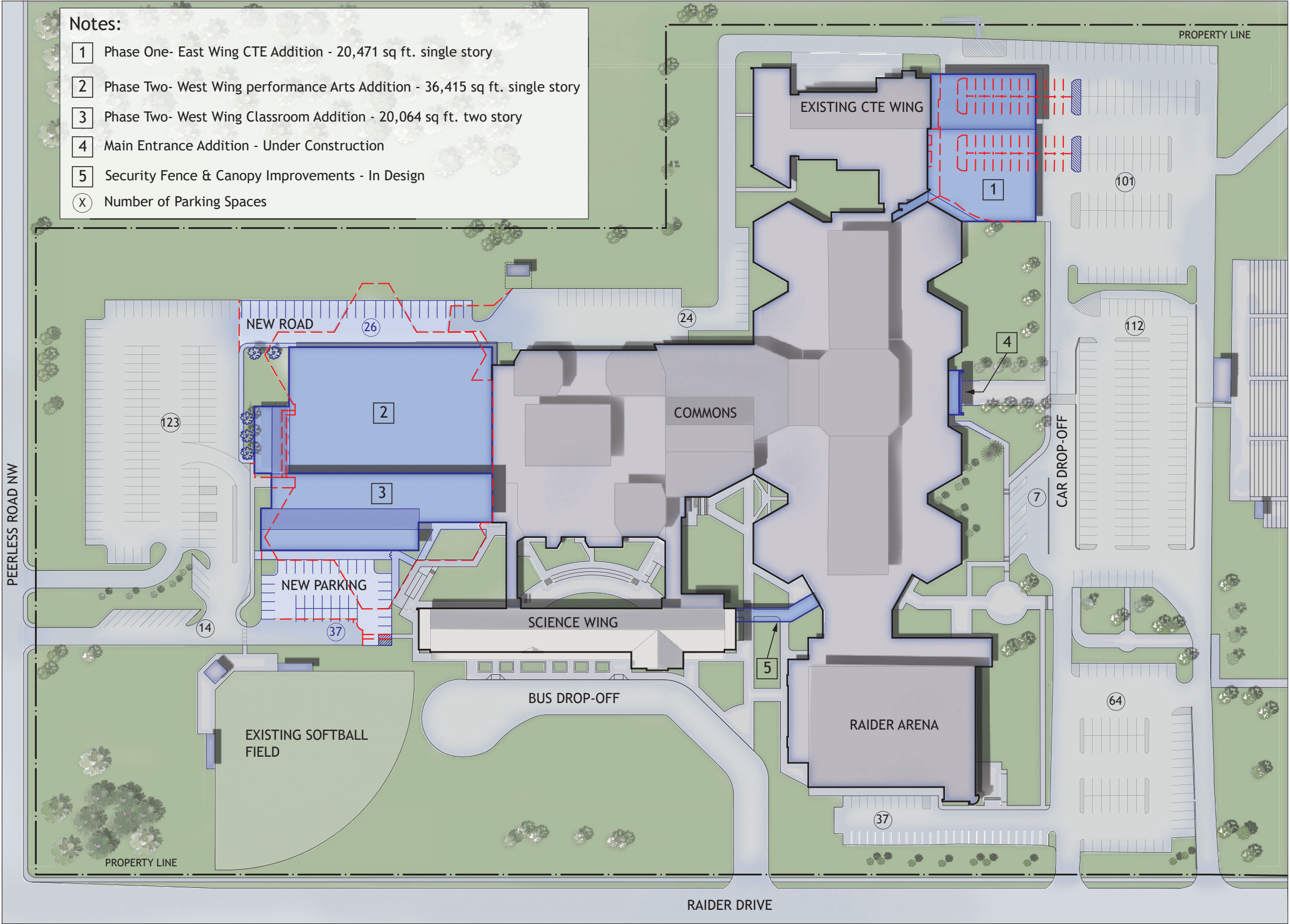
CLEVELAND HIGH SCHOOL 9-12	Total # of Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Core Academic Classrooms	Classrom Capacity	Optimal Planned Capacity @ 85%	2021/2022 9th-12th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
	104		48	1865	1585	1788	2025	2030	2035
9TH~12TH NOTES:									
1. Existing High School (9th~12th) student enrollment currently exceeds optimal planned capacity.									

OPTION #3

Cleveland High School (9th~12th with New CTE Wing) Facility and Enrollment Analysis

CLEVELAND HIGH SCHOOL 9-12	Total # of Planned Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Core Academic Classrooms	Classrom Capacity	Optimal Planned Capacity @ 85%	2021/2022 9th-12th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
	133		60	2400	2040	1788	2025	2030	2035
9TH~12TH NOTES:									
1. Total teaching stations includes expanded CTE programmed spaces (29 @ 600 Students).									

Executive Summary



Executive Summary Option #3 and Existing Comparison

OPTION #3

K-4 Facility and Enrollment Analysis

ELEMENTARY SCHOOLS	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms	Classrom Capacity	Optimal Planned Capacity @ 90%	2021/2022 K-4 Student Enrollment
K-4					
ARNOLD ELEMENTARY	13	14	290	261	211
BLYTHE-BOWER ELEMENTARY	3	34	710	639	526
CANDY'S CREEK CHEROKEE ELEMENTARY	11	24	505	455	375
MAYFIELD ELEMENTARY	4	21	440	396	320
ROSS ELEMENTARY (3-4)	12	13	290	261	169
YATES PRIMARY (K-2)	10	13	260	234	254
STUART ELEMENTARY	12	13	270	243	209
TOTALS (K-4)	65	132	2765	2489	2064

2025 District-Wide Projections for K-4 Student Enrollment	2305
2030 District-Wide Projections for K-4 Student Enrollment	2361
2035 District-Wide Projections for K-4 Student Enrollment	2442

- K-4 NOTES:
- K-4 gains 20 classrooms w/o 5th grade.
 - Potential expansion @ Candy's Creek Cherokee (6 Classrooms @ 20 Students) increases K-4 total by 120 students.
 - Not all support areas are regular size classrooms.

Intermediate School (5th~6th) Facility and Enrollment Analysis

INTERMEDIATE SCHOOL	Total # of Planned Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms (25/Class)	Classroom Capacity	Optimal Planned Capacity @ 90%	2021/2022 5th-6th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
							866	1058	959
5-6	74	26	48	1200	1080	812			
			Future Expansion	1400	1260				

- 5TH~6TH NOTES:
- Classroom capacity and optimal planned capacity of a new intermediate school should not be a concern anytime prior to 2035.
 - Intermediate school should be designed for expansion of 2 teams with 4 classrooms each; this would increase classroom capacity to 1400 students.

Middle School (7th~8th) Facility and Enrollment Analysis

MIDDLE SCHOOL	Total # of Planned Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms (25/Class)	Classroom Capacity	Optimal Planned Capacity @ 90%	2021/2022 7th-8th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
							886	950	1006
7-8	74	26	48	1200	1080	875			
			(30/Class)	1440	1296				

- 7TH~8TH NOTES:
- Existing BEP classroom capacity can be increased by 240 students if 7th & 8th grade assume 30 students per classroom.

Cleveland High School (9th~12th with New CTE Wing) Facility and Enrollment Analysis

CLEVELAND HIGH SCHOOL	Total # of Planned Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Core Academic Classrooms	Classrom Capacity	Optimal Planned Capacity @ 85%	2021/2022 9th-12th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
							1776	1852	2229
9-12	133		60	2400	2040	1788			

- 9TH~12TH NOTES:
- Total teaching stations includes expanded CTE programmed spaces (29 @ 600 Students).

EXISTING

K-5 Facility and Enrollment Analysis

ELEMENTARY SCHOOLS	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms	Classrom Capacity	Optimal Planned Capacity @ 90%	2021/2022 K-5th Student Enrollment
K-5					
ARNOLD ELEMENTARY	13	14	300	270	248
BLYTHE-BOWER ELEMENTARY	3	34	730	657	623
CANDY'S CREEK CHEROKEE ELEMENTARY	11	24	520	468	452
MAYFIELD ELEMENTARY	4	21	450	405	380
ROSS ELEMENTARY	12	13	300	270	244
YATES PRIMARY	10	13	260	234	254
STUART ELEMENTARY	12	13	280	252	248
TOTALS (K-5)	65	132	2840	2556	2449

2025 District-Wide Projections for K-5 Student Enrollment	2719
2030 District-Wide Projections for K-5 Student Enrollment	2927
2035 District-Wide Projections for K-5 Student Enrollment	2930

- K-5 NOTES:
- █ Indicates when optimal planned capacity may be exceeded; classroom capacity may be exceeded by 2030.
 - Potential expansion at Candy's Creek Cherokee Elementary (4 Classrooms @ 20 Students Each; 2 Classrooms @ 25 Students Each) increases K-5 totals by 130 students.

Cleveland Middle School (6th~8th) Facility and Enrollment Analysis

CLEVELAND MIDDLE SCHOOL	Total # of Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Academic Classrooms (25/Class)	Classroom Capacity	Optimal Planned Capacity @ 90%	2021/2022 6th-8th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
							1337	1442	1468
6-8	74	26	48	1200	1080	1302			
			30/Class	1360	1224				

- 6TH~8TH NOTES:
- █ Existing Middle School (6th~8th) student enrollment in 2021/2022 (1302 students) currently exceeds optimal planned capacity of 1080 students and the classroom capacity of 1200 students.
 - Projected student enrollment in 2030 (1442 students) may exceed both optimal planned capacity and classroom capacity, even if classroom capacity is based on 30 students/classroom.

Cleveland High School (9th~12th) Facility and Enrollment Analysis

CLEVELAND HIGH SCHOOL	Total # of Teaching Stations	Total # of Classrooms Utilized for Support Functions	Total # of Core Academic Classrooms	Classroom Capacity	Optimal Planned Capacity @ 85%	2021/2022 9th-12th Student Enrollment	Projections Utilizing District Growth Ratio (1.013)		
							2025	2030	2035
							1776	1852	2229
9-12	104		48	1865	1585	1788			

- 9TH~12TH NOTES:
- █ Existing High School (9th~12th) student enrollment currently exceeds optimal planned capacity.

Executive Summary Conclusions & Recommendations

Various participants in the planning process agree that the Educational Facilities Master Plan should contain the following priority components:

I. NEW INTERMEDIATE SCHOOL

- A. Recommended Program Space Requirements:
 - Net Area: 114,820 sf.
 - Gross Area:176,646 sf.
- B. Recommended Project Budget: \$79,000,000
 - Statement of Probable Construction Cost: \$61,850,000
 - Contingency & “Soft Costs”: \$8,150,000
 - Additional Land Cost: TBD (Recommended Acres Totaling 30~35)
- C. Recommended Schedule:
 - Occupy by the year 2030
 - Design & Construction (3.5 years)
- D. Classroom capacity of a 7th~8th grade facility will have a classroom capacity of 1200 students @ 25 students/class or 1440 students @ 30 students/class. Student enrollment in the 7th~8th grade middle school is not expected to reach 1200 students anytime in the near future.

II. ELEMENTARY SCHOOLS (Convert K-5 schools to K-4 schools)

- A. According to the K-5 facility and enrollment analysis (section II), all seven (7) K-5 schools may experience overcrowding between years 2025 and 2030.
- B. The district-wide K-5 student projection indicates the total classroom capacity, and the total optimal planned capacity (2840 students & 2556 students respectively) may be exceeded by the year 2025 (2719 students).
- C. Aside from Ross & Yates Elementary schools, with the K-4th grade organization plan (section 3) these schools can accommodate anticipated student growth to beyond 2035.
- D. Since many unknown variables such as: annexations, migration, housing starts, birth rates, etc. can impact student growth, a new school or redistricting may be required in the future.
- E. Candy’s Creek Cherokee is the one elementary school which can easily accommodate a six (6) classroom addition, an increase of 120-130 students.

III. CLEVELAND MIDDLE SCHOOL (Convert 6th-8th to 7th- 8th)

Current Enrollment: 1302 Students
BEP Classroom Capacity: 1360 Students
Optimal Planned Capacity: 1224 Students

- A. Current middle school student enrollment exceeds both classroom capacity and optimal planned capacity of the school.
- B. HVAC replacement, minor updates, and maintenance issues will remain a need over the next 5~10 years.

IV. CLEVELAND HIGH PHASE ONE: New East Wing, CTE Addition - 32,300 SF

This addition would relocate the current West Wing CTE spaces and allow for space improvements to some other CTE programs. Additional property would be necessary to accommodate the full desired 57,800 sf. CTE program requirements in the East Wing.

- A. Recommended Program Space Requirements
 - Net Area: 21,000 sf.
 - Gross Area: 32,300 sf.
- B. Recommended Project Budget: \$12,700,000
 - Statement of Probable Construction Cost: \$11,305,000
 - Contingency & “Soft Costs”: \$1,400,000
- C. Recommended Schedule:
 - Occupy: TBD
 - Design & Construction (2.5 years)
- D. Site Planning Concept

Note: Total space requirements for CTE program is 57,800 sf. (refer to Section VI). If adequate funding became available, it would be cost effective to construct the total CTE program requirements at the same time.

V. CLEVELAND HIGH PHASE TWO: West Wing Performing Arts Addition - 36,500 SF

This addition would facilitate desired improvements to the Fine Arts and Performance Arts programs.

- Net Area: TBD sf.
- Gross Area: TBD sf.
- Statement of Probable Construction Cost: TBD
- Statement of Probable Project Cost: TBD

VI. CLEVELAND HIGH PHASE THREE: West Wing Addition - 28,000~40,000 SF

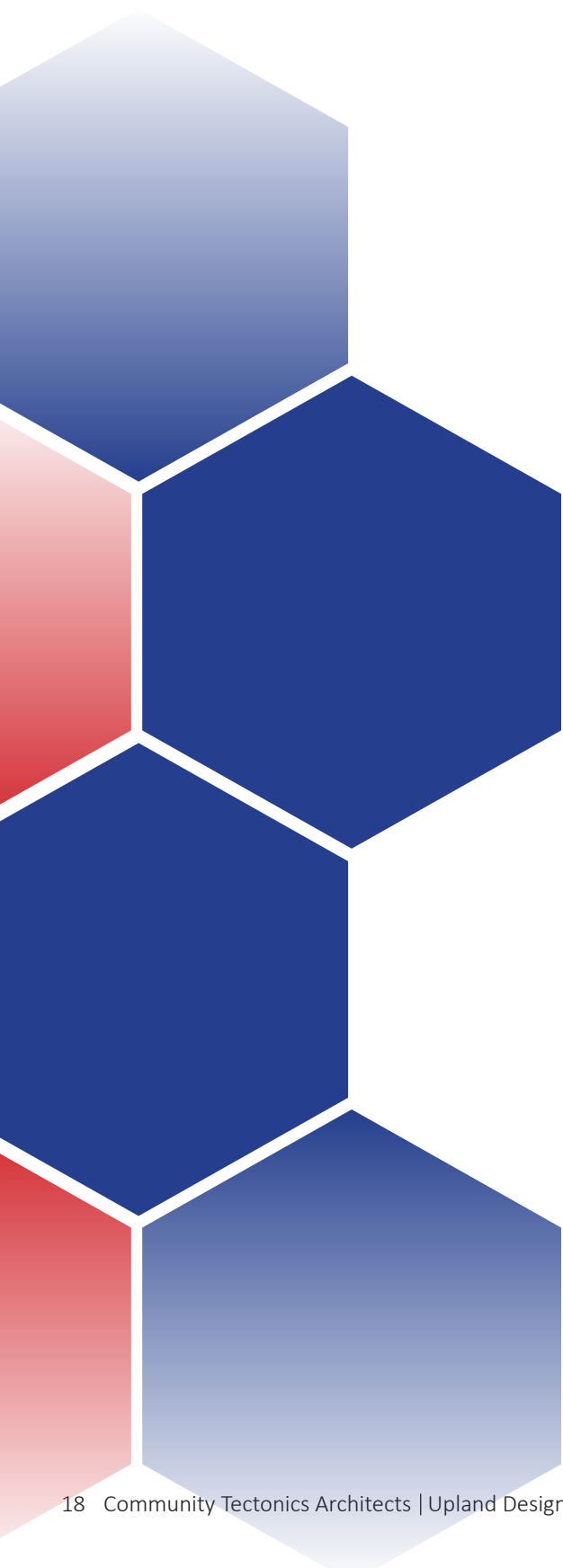
This addition would replace the existing academic spaces in the current West Wing. It would also for core classroom growth, additional CTE programs, and spaces for special student services.

- Actual size TBD based on future growth.

VII. ALL SCHOOL DISTRICT FACILITIES:

- HVAC Updates, Repairs, and Maintenance Items as noted in the Comprehensive 5-year Capital Improvements Plan dated October 2020.

*The probable construction costs listed above are based upon actual data obtained from new school construction projects that have bid during the 3rd quarter of 2022. The current construction market is experiencing an annual inflation of 10~15%.



II. Student Enrollment Projections and Analysis

DISTRICT-WIDE Growth Projections

Annual District Growth Projection 1.013%

School Year	K	1	2	3	4	5	6	7	8	9	10	11	12	District
2021/2022	401	393	429	426	415	385	427	413	462	504	438	456	390	5539
2022/2023	395	406	398	435	432	420	390	433	418	468	511	444	462	5611
2023/2024	468	400	411	403	440	437	426	395	438	424	474	517	449	5684
2024/2025	455	474	405	417	409	446	443	431	400	444	429	480	524	5758
2025/2026	531	461	480	411	422	414	452	449	437	405	450	435	486	5833
2026/2027	493	538	467	486	416	428	419	458	454	443	411	455	441	5909
2027/2028	446	499	545	473	493	421	433	425	464	460	448	416	461	5985
2028/2029	467	452	506	552	479	499	427	439	430	470	466	454	421	6063
2029/2030	427	473	458	512	559	486	506	432	445	436	476	472	460	6142
2030/2031	466	432	480	464	519	566	492	512	438	450	441	482	479	6222
2031/2032	485	472	438	486	470	526	573	498	519	444	456	447	488	6303
2032/2033	494	491	478	444	492	476	533	581	505	526	450	462	453	6385
2033/2034	459	501	497	485	450	499	482	539	588	511	532	455	468	6468
2034/2035	474	465	507	504	491	455	505	489	546	596	518	539	461	6552
2035/2036	467	480	471	514	510	497	461	512	495	554	604	525	546	6637

Analysis of Various Grade-Level Organizational Plans

	K	1	2	3	4	5	Total
21/22	401	393	429	426	415	385	2449
25/26	531	461	480	411	422	414	2719
30/31	466	432	480	464	519	566	2927
35/36	467	480	471	514	510	497	2940

	K	1	2	3	4	Total
21/22	401	393	429	426	415	2064
25/26	531	461	480	411	422	2305
30/31	466	432	480	464	519	2361
35/36	467	480	471	514	510	2443

	9	10	11	12	Total
21/22	504	438	456	390	1788
25/26	405	450	435	486	1776
30/31	450	441	482	479	1852
35/36	554	604	525	546	2229

	5	6	Total
21/22	385	427	812
25/26	414	452	866
30/31	566	492	1058
35/36	497	461	959

	7	8	Total
21/22	413	462	875
25/26	449	437	886
30/31	512	438	950
35/36	512	495	1006

	6	7	8	Total
21/22	427	413	462	1302
25/26	452	449	437	1337
30/31	492	512	438	1442
35/36	461	512	495	1468

III. PROGRAM ANALYSIS OF INDIVIDUAL ELEMENTARY SCHOOLS

May 3, 2021

PARTICIPANTS

Michael Chai
Hal Taylor
Don Shell
Brian Templeton

MEETING NOTES

1. Current School Population – 259 w/ 20 virtual included
2. There are 15 existing classrooms.
3. There are currently 2 classrooms per grade level (except second grade which has 3).
4. Current zoned capacity – 250
5. Pulling the 5th grade out of the school would potentially open up 2 classrooms.
6. 40% of the student population is transient.
7. The school zone is fully developed.
8. Prior to rezoning the school had ballooned to 350-380 with 3 teachers per grade.
9. Rezoning allowed space for:
 - Art
 - Counseling Classroom
 - Professional development Flex Room
 - Small instruction for RTI/ERC
 - 2 full time ELS Rooms
10. Average class size is 700 square feet.
11. The Art Teacher is not full time, so the Art room is used as a flex space.
12. There is currently 1 PK Classroom.
13. Mr. Chai was not opposed to the 5/6 grade school concept. He believes that 5/6 grades have closer similarities than 6/7.

MAINTENANCE ITEMS

- Heat exchangers are being changed out over the next 5 years (a spare classroom is needed to relocate students temporarily).
- Treatment of Restroom walls
- Flooring in Halls and Cafeteria



BEP Classroom Analysis

K-5	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	40	Regular	2	20	40
1	43	Regular	3	20	60
2	39	Regular	2	20	40
3	45	Regular	3	20	60
4	44	Regular	2	25	50
5	37	Regular	2	25	50
Total		Classrooms	14		300

K-4	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	40	Regular	3	20	60
1	43	Regular	3	20	60
2	39	Regular	3	20	60
3	45	Regular	3	20	60
4	44	Regular	2	25	50
Total		Classrooms	14		290

Support Areas	Qty	Notes
Art	1	Flex
Computer Lab	1	
Assistant Principal/Level Library	1	
Counseling	1	
ERC	1	
ESL	2	
Music	1	
Professional Services	1	Flex
RTI	1	
RTI Coordinator/Instruction Supervisor	1	
Special Services	1	
Speech	1	
Total Support Areas	13	

Notes:

1. Request for New Cafeteria

ARNOLD ELEMENTARY Projections

Individual Facility Growth 0.981%

Grade Growth		1.007	0.939	0.960	0.991	1.036	Total	Facility Annual Growth
	K	1	2	3	4	5		
09/10	65	67	53	52	48	43	328	
10/11	71	63	56	60	54	46	350	1.067
11/12	66	73	61	57	58	65	380	1.086
12/13	72	64	66	60	55	55	372	0.979
13/14	71	64	66	59	58	56	374	1.005
14/15	64	61	70	67	59	59	380	1.016
15/16	65	64	62	68	73	64	396	1.042
16/17	53	60	59	51	59	67	349	0.881
17/18	62	59	57	60	58	69	365	1.046
18/19	55	69	53	58	56	62	353	0.967
19/20	45	51	39	32	48	51	266	0.754
20/21	44	43	51	41	33	46	258	0.970
21/22	40	43	39	45	44	37	248	0.961
22/23	38	39	40	37	44	45	243	0.981
23/24	48	37	36	37	36	45	239	0.981
24/25	48	46	34	33	36	37	234	0.981
25/26	40	47	43	31	32	37	230	0.981
26/27	41	39	43	40	30	33	226	0.981
27/28	37	40	35	39	39	31	221	0.981
28/29	35	37	35	32	38	40	217	0.981
29/30	43	35	33	32	31	39	213	0.981
30/31	43	42	31	30	31	32	209	0.981
31/32	38	42	37	28	29	31	205	0.981
32/33	34	37	38	34	28	30	201	0.981
33/34	33	33	34	35	33	29	197	0.981
34/35	32	33	30	31	34	34	194	0.981
35/36	37	31	30	27	30	35	190	0.981

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	122	126	248	21/22	211
25/26	130	100	230	25/26	193
30/31	116	93	209	30/31	177
35/36	98	92	190	35/36	155

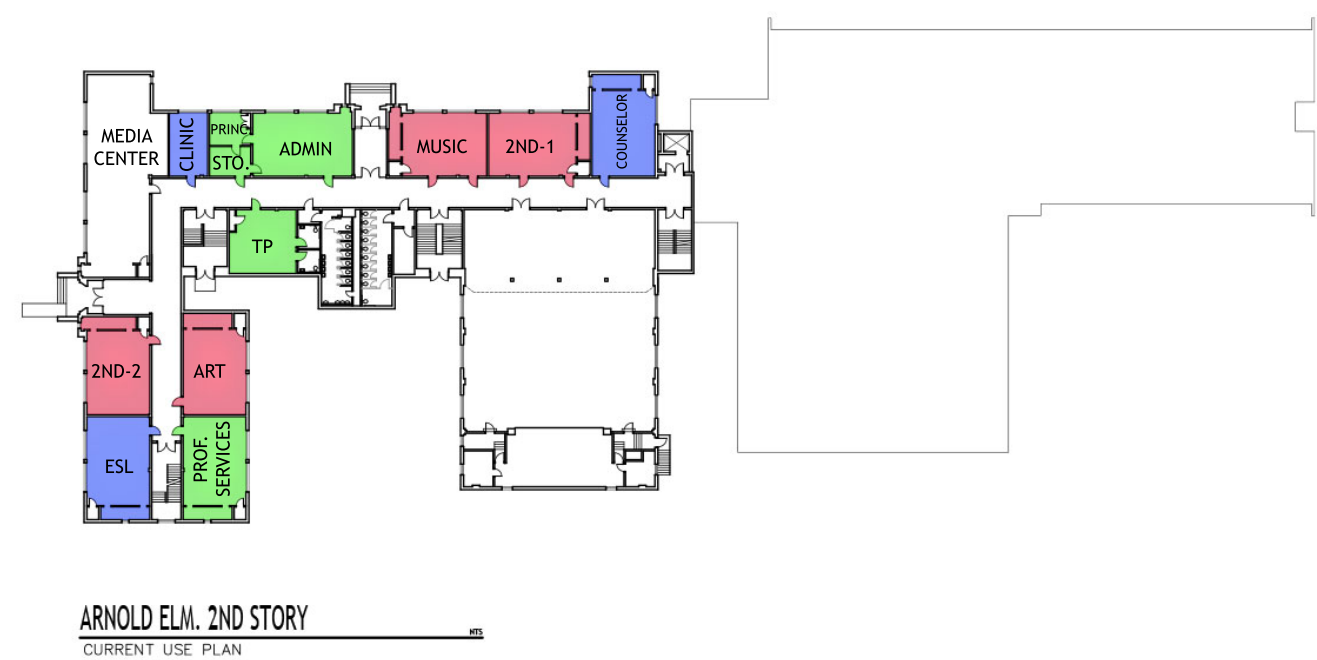
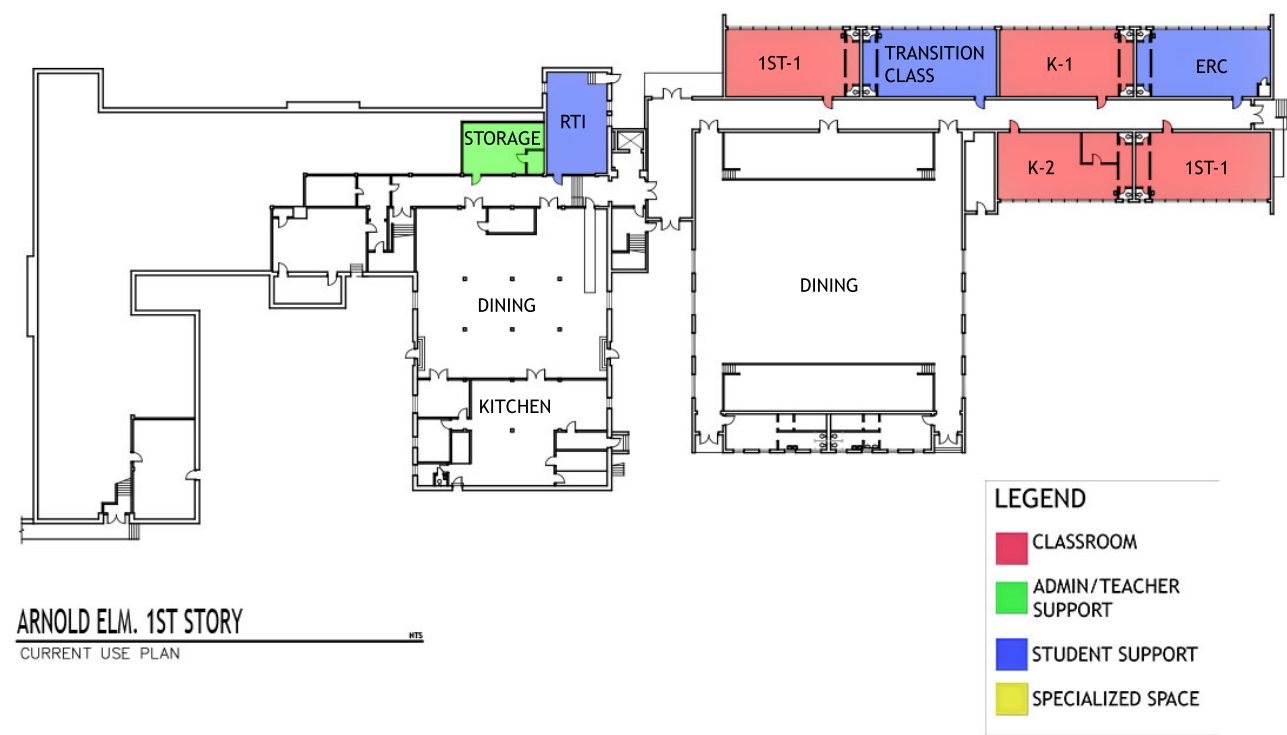
District Growth 1.013%

Grade Growth		1.007	0.939	0.960	0.991	1.036	Total	District Annual Growth
	K	1	2	3	4	5		
09/10	65	67	53	52	48	43	328	
10/11	71	63	56	60	54	46	350	1.067
11/12	66	73	61	57	58	65	380	1.086
12/13	72	64	66	60	55	55	372	0.979
13/14	71	64	66	59	58	56	374	1.005
14/15	64	61	70	67	59	59	380	1.016
15/16	65	64	62	68	73	64	396	1.042
16/17	53	60	59	51	59	67	349	0.881
17/18	62	59	57	60	58	69	365	1.046
18/19	55	69	53	58	56	62	353	0.967
19/20	45	51	39	32	48	51	266	0.754
20/21	44	43	51	41	33	46	258	0.970
21/22	40	43	39	45	44	37	248	0.961
22/23	46	39	40	37	44	45	251	1.013
23/24	55	45	36	37	36	45	254	1.013
24/25	56	54	42	33	36	37	258	1.013
25/26	49	54	50	39	32	37	261	1.013
26/27	50	48	50	46	38	33	265	1.013
27/28	46	49	43	46	45	39	268	1.013
28/29	52	46	44	39	44	46	271	1.013
29/30	59	52	41	40	38	45	275	1.013
30/31	60	58	46	37	39	39	279	1.013
31/32	57	58	51	41	36	39	282	1.013
32/33	53	56	53	47	40	37	286	1.013
33/34	52	52	51	48	46	41	290	1.013
34/35	54	51	47	47	47	47	293	1.013
35/36	61	53	46	43	46	48	297	1.013

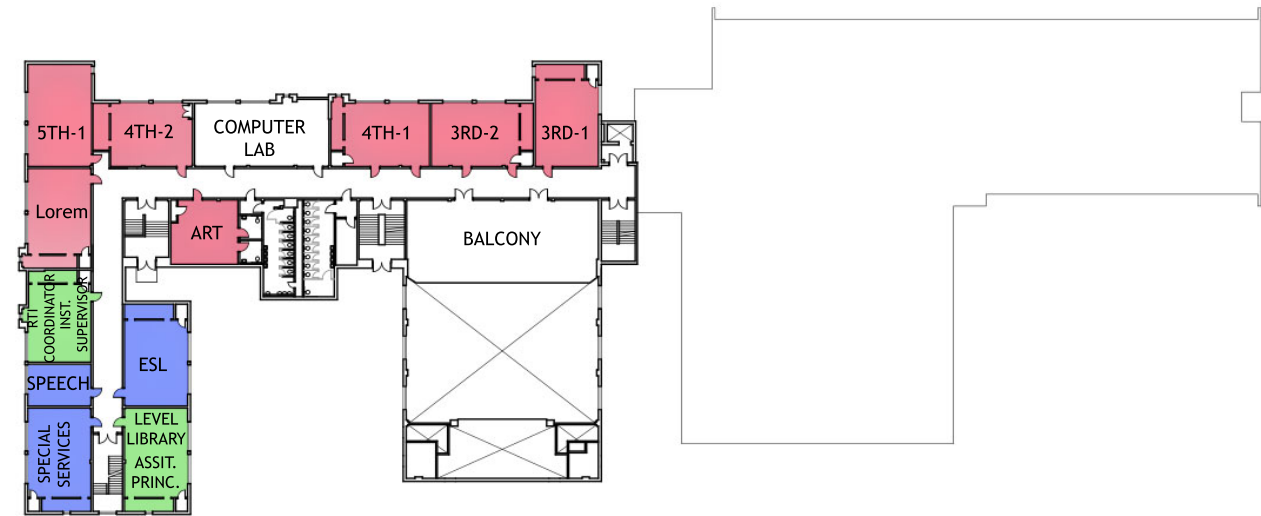
Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	122	126	248	21/22	211
25/26	153	108	261	25/26	224
30/31	164	115	279	30/31	240
35/36	160	137	297	35/36	249

ARNOLD ELEMENTARY Floor Plan



ARNOLD ELEMENTARY Floor Plan



ARNOLD ELM. 3RD STORY
CURRENT USE PLAN

BLYTHE-BOWER
ELEMENTARY
SCHOOL

April 28, 2021

PARTICIPANTS
Prisavia Croft
Hal Taylor
Don Shell
Brian Templeton

- MEETING NOTES
1. Current School Population – 625 w/780 projected by 2030-2035
 2. There are 34 existing classrooms. 31 general/1 village/2 PK
 3. There are currently 5/6 classrooms per grade level.
 4. 5 year growth forecast is 690 as a K5.
 5. Pulling the 5th grade out of the school would potentially open up 4 classrooms.
 6. Current space needs:
 - cafeteria seating space
 - Serving starts at 10:30 and ends at 1:30.
 - Lunch periods are staggered and last 30 minutes.
 - There are currently two ERC classrooms and one more is needed.
 - There is currently one ELS classroom and one more is needed.
 - A sensory room is desired.
 - More gym space for PE would be helpful.
 7. Ms. Croft was not opposed to the 5/6 grade school concept. She has had previous experience at CMS and felt that parents would expect team sports and band to be available.
 8. Ms. Croft said the exterior courtyard space was being utilized.

- MAINTENANCE ITEMS
- Flooring replacement throughout the school will take place during the Summer.
 - HVAC units need to be replaced throughout



BEP Classroom Analysis

K-5	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	100	Regular	5	20	100
1	103	Regular	5	20	100
2	106	Regular	5	20	100
3	108	Regular	5	20	100
4	109	Regular	5	25	125
5	97	Regular	5	25	125
Sub-Total	623	Regular	30		650
		PK Classroom	2	20	40
		"Village" Classroom	1	20	20
		Regular Transition	1	20	20
Total		Classrooms	34		730

K-4	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	100	Regular	6	20	120
1	103	Regular	6	20	120
2	106	Regular	6	20	120
3	108	Regular	6	20	120
4	109	Regular	6	25	150
Sub-Total	526	Regular	30		630
		PK Classroom	2	20	40
		"Village" Classroom	1	20	20
		Regular Transition	1	20	20
Total		Classrooms	34		710

Support Areas		Qty	Notes
Art		0	
Assistant Principal		0	
Computer Lab		0	
Counselor		0	
ERC		2	Need +1
ESL		1	Need +1
Instructional Specialist		0	
Music		0	
Professional Services		0	
RTI		0	
RTI Counselor		0	
Sensory Room		0	Need 1
Special Services		0	
STEM Lab		0	Need 1
Total Support Areas		3	

- Notes:
1. Request for larger cafeteria and more PE Space.

BLYTHE-BOWER ELEMENTARY Projections

Individual Facility Growth 1.016%

Grade Growth		0.948	1.024	0.997	0.927	0.970	Total	Facility Annual Growth
	K	1	2	3	4	5		
09/10	101	79	109	90	73	72	524	
10/11	92	94	83	101	87	82	539	1.029
11/12	94	91	97	76	94	71	523	0.970
12/13	100	93	92	93	74	88	540	1.033
13/14	89	102	89	92	86	82	540	1.000
14/15	100	89	100	84	93	84	550	1.019
15/16	96	86	78	96	80	82	518	0.942
16/17	88	95	88	87	101	85	544	1.050
17/18	93	80	100	90	79	101	543	0.998
18/19	90	92	82	103	89	80	536	0.987
19/20	119	92	115	99	93	94	612	1.142
20/21	104	112	99	118	98	95	626	1.023
21/22	100	103	106	108	109	97	623	0.995
22/23	112	97	105	107	104	108	633	1.016
23/24	123	109	99	107	103	102	643	1.016
24/25	115	119	111	102	103	103	653	1.016
25/26	115	111	121	115	98	103	663	1.016
26/27	113	111	114	126	111	98	673	1.016
27/28	110	109	114	119	121	111	684	1.016
28/29	119	106	113	120	114	122	694	1.016
29/30	133	116	110	118	114	114	705	1.016
30/31	124	130	120	115	113	114	716	1.016
31/32	122	121	135	126	110	113	727	1.016
32/33	125	119	124	140	121	110	739	1.016
33/34	124	121	121	129	134	121	750	1.016
34/35	133	121	124	126	124	134	762	1.016
35/36	147	129	124	129	121	124	774	1.016

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	309	314	623	21/22	526
25/26	347	316	663	25/26	560
30/31	374	342	716	30/31	602
35/36	400	374	774	35/36	650

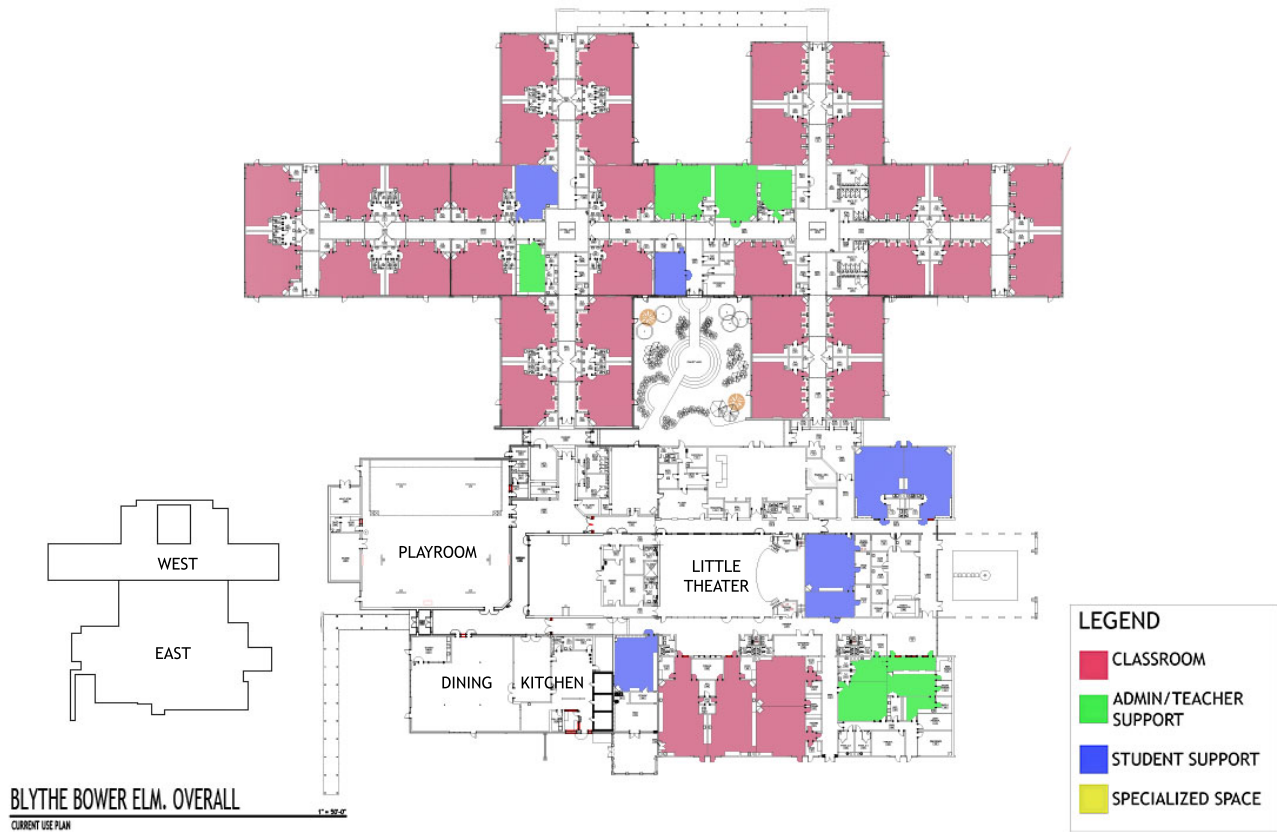
District Growth 1.013%

Grade Growth		0.948	1.024	0.997	0.927	0.970	Total	District Annual Growth
	K	1	2	3	4	5		
09/10	101	79	109	90	73	72	524	
10/11	92	94	83	101	87	82	539	1.029
11/12	94	91	97	76	94	71	523	0.970
12/13	100	93	92	93	74	88	540	1.033
13/14	89	102	89	92	86	82	540	1.000
14/15	100	89	100	84	93	84	550	1.019
15/16	96	86	78	96	80	82	518	0.942
16/17	88	95	88	87	101	85	544	1.050
17/18	93	80	100	90	79	101	543	0.998
18/19	90	92	82	103	89	80	536	0.987
19/20	119	92	115	99	93	94	612	1.142
20/21	104	112	99	118	98	95	626	1.023
21/22	100	103	106	108	109	97	623	0.995
22/23	110	97	105	107	104	108	631	1.013
23/24	121	107	99	107	103	102	639	1.013
24/25	113	118	109	102	103	103	648	1.013
25/26	113	109	120	113	98	103	656	1.013
26/27	112	109	112	125	109	98	665	1.013
27/28	108	107	112	117	120	109	673	1.013
28/29	115	105	111	118	112	121	682	1.013
29/30	130	111	109	116	113	112	691	1.013
30/31	121	126	115	114	111	113	700	1.013
31/32	120	117	131	121	109	111	709	1.013
32/33	121	116	120	136	116	109	718	1.013
33/34	121	117	118	125	130	116	727	1.013
34/35	126	118	120	123	120	130	737	1.013
35/36	140	122	121	125	118	120	746	1.013

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	309	314	623	21/22	526
25/26	342	314	656	25/26	553
30/31	362	338	700	30/31	587
35/36	383	363	746	35/36	626

BLYTHE-BOWER ELEMENTARY Floor Plan



BLYTHE-BOWER ELEMENTARY Floor Plan



CANDYS CREEK CHEROKEE ELEMENTARY SCHOOL

April 26, 2021

PARTICIPANTS

- Lisa Learby
- Saray White
- Hal Taylor
- Don Shell
- Brian Templeton



BEP Classroom Analysis

K-5	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	66	Regular	4	20	80
1	71	Regular	4	20	80
2	71	Regular	4	20	80
3	85	Regular	4	20	80
4	76	Regular	4	25	100
5	77	Regular	4	25	100
Total	446	Classrooms	24		520

K-4	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	66	Regular	4	20	80
1	71	Regular	4	20	80
2	71	Regular	4	20	80
3	85	Regular	4	20	80
4	76	Regular	4	25	100
Sub-Total	369	Regular	20		420
		Regular Transition	3	20	60
		Regular Transition	1	25	25
Total		Classrooms	24		505

Support Areas	Qty	Notes
Art	1	
Assistant Principal	0	
Computer Lab		
Counselor	0	
ERC	2	
ESL	0	
Instructional Specialist	1	
Music	1	
Professional Services	0	
Flexible Classrooms	3	
RTI	1	
RTI Counselor	0	
Sensory Room	0	
Small Groups		
Special Services	0	
Speech & Hearing	1	
Learning Lab Lab	1	
Total Support Areas	11	

Notes:

- 1. This school could accommodate 2-6 classroom addition

CANDYS CREEK CHEROKEE ELEMENTARY Projections

Individual Facility Growth 0.962%

Grade Growth		1.000	1.041	1.072	1.006	0.933	Total	Facility Annual Growth
	K	1	2	3	4	5		
09/10	0	0	0	0	0	0	0	N/A
10/11	0	0	0	0	0	0	0	N/A
11/12	0	0	0	0	0	0	0	N/A
12/13	0	0	0	0	0	0	0	N/A
13/14	0	0	0	0	0	0	0	N/A
14/15	0	0	0	0	0	0	0	N/A
15/16	0	0	0	0	0	0	0	N/A
16/17	0	0	0	0	0	0	0	N/A
17/18	0	0	0	0	0	0	0	N/A
18/19	0	0	0	0	0	0	0	N/A
19/20	74	68	70	85	79	78	454	N/A
20/21	72	78	82	78	85	75	470	1.035
21/22	66	71	77	85	76	77	452	0.962
22/23	54	67	77	83	84	70	435	0.962
23/24	56	54	69	81	81	77	418	0.962
24/25	61	57	57	73	80	74	402	0.962
25/26	61	62	59	60	72	73	387	0.962
26/27	58	62	65	62	59	66	372	0.962
27/28	51	59	65	68	61	54	358	0.962
28/29	39	52	62	68	67	56	344	0.962
29/30	43	40	55	65	67	61	331	0.962
30/31	49	44	42	58	64	61	318	0.962
31/32	51	50	46	44	57	58	306	0.962
32/33	47	52	52	48	43	52	294	0.962
33/34	41	48	54	54	47	39	283	0.962
34/35	28	42	50	56	53	43	272	0.962
35/36	34	29	44	52	55	48	262	0.962

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	214	238	452	21/22	375
25/26	182	205	387	25/26	314
30/31	135	183	318	30/31	257
35/36	107	155	262	35/36	214

District Growth 1.013%

Grade Growth		1.000	1.041	1.072	1.006	0.933	Total	District Annual Growth
	K	1	2	3	4	5		
09/10	0	0	0	0	0	0	0	N/A
10/11	0	0	0	0	0	0	0	N/A
11/12	0	0	0	0	0	0	0	N/A
12/13	0	0	0	0	0	0	0	N/A
13/14	0	0	0	0	0	0	0	N/A
14/15	0	0	0	0	0	0	0	N/A
15/16	0	0	0	0	0	0	0	N/A
16/17	0	0	0	0	0	0	0	N/A
17/18	0	0	0	0	0	0	0	N/A
18/19	0	0	0	0	0	0	0	N/A
19/20	74	68	70	85	79	78	454	N/A
20/21	72	78	82	78	85	75	470	1.035
21/22	66	71	77	85	76	77	452	0.962
22/23	77	67	77	83	84	70	458	1.013
23/24	79	77	69	81	81	77	464	1.013
24/25	83	79	81	73	80	74	470	1.013
25/26	81	83	82	85	72	73	476	1.013
26/27	78	81	87	86	84	66	482	1.013
27/28	72	78	85	91	85	77	488	1.013
28/29	84	72	82	89	90	78	495	1.013
29/30	85	83	76	86	88	83	501	1.013
30/31	90	85	87	80	85	81	508	1.013
31/32	88	89	89	91	79	78	514	1.013
32/33	84	88	93	93	90	73	521	1.013
33/34	80	84	92	97	92	83	528	1.013
34/35	90	80	88	96	96	85	535	1.013
35/36	92	90	84	92	95	89	542	1.013

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	214	238	452	21/22	375
25/26	246	230	476	25/26	403
30/31	262	246	508	30/31	427
35/36	266	276	542	35/36	453

CANDYS CREEK CHEROKEE ELEMENTARY Floor Plan



MAYFIELD ELEMENTARY SCHOOL

May 3, 2021

PARTICIPANTS
Randall Stephens
Hal Taylor
Don Shell
Brian Templeton

MEETING NOTES

- 1. Current School Population – 365
- 2. There are 21 existing classrooms.
- 3. There are currently 3 classrooms per grade level
- 4. Current zoned capacity – 420
- 5. Pulling the 5th grade out of the school would potentially open up 3 classrooms.
- 6. Prior to rezoning the school population had grown to 500.
- 7. Rezoning allowed space for:
 - Special areas such as art, music, etc.
 - One extra classroom
- 8. Mr. Stephens was not opposed to the 5/6 grade school concept. He mentioned that busing complexity could be challenging. He also felt that athletics would need to be a part of a 5/6 grade school.
- 9. A K-4 grade structure at Mayfield:
 - 4 classrooms per grade level – 80 students
 - The 3 existing 5th grade classrooms would be open on the upper level.
 - Intervention class space could move upstairs closer to students.
 - Currently there are 57 students in 5th grade

MAINTENANCE ITEMS

- Monitoring potential geothermal loop loss. Future losses could require the addition of a boiler.



BEP Classroom Analysis

K-5	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	71	Regular	4	20	80
1	54	Regular	3	20	60
2	72	Regular	4	20	80
3	63	Regular	4	20	80
4	60	Regular	3	25	75
5	60	Regular	3	25	75
Sub-Total	380	Regular	21		450
		CDC	1	10	10
Total		Classrooms	22		460

K-4	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	71	Regular	4	20	80
1	54	Regular	4	20	80
2	72	Regular	4	20	80
3	63	Regular	4	20	80
4	60	Regular	4	25	100
		Transition	1	20	20
Sub-Total	320	Regular	21		440
		CDC	1	10	10
Total		Classrooms	22		450

Support Areas	Qty	Notes
Art	1	
Assistant Principal	0	
Computer Lab	0	Computer Lab in K-4
Counselor	0	
ERC	0	
ESL	1	
Instructional Specialist	0	
Music	1	
Professional Services	0	
RTI	0	
RTI Counselor	0	
Sensory Room	0	
Guidance	1	
Special Services	0	
STEM Lab	0	
Total Support Areas	4	

Notes:

- 1. Computer lab is used as classroom in K-5 model.

MAYFIELD ELEMENTARY Projections

Individual Facility Growth 0.989%

Grade Growth		1.017	1.000	0.954	1.017	1.012	Total	Facility Annual Growth
	K	1	2	3	4	5		
09/10	79	78	92	58	76	68	451	
10/11	88	81	79	95	59	82	484	1.073
11/12	93	99	90	84	106	73	545	1.126
12/13	89	93	105	81	79	107	554	1.017
13/14	76	101	88	96	76	84	521	0.940
14/15	93	74	102	80	87	79	515	0.988
15/16	86	83	80	107	80	91	527	1.023
16/17	81	89	88	79	115	88	540	1.025
17/18	93	75	85	91	80	103	527	0.976
18/19	84	91	76	82	95	81	509	0.966
19/20	83	70	64	59	70	69	415	0.815
20/21	51	79	64	54	59	69	376	0.906
21/22	71	54	72	63	60	60	380	1.011
22/23	60	71	53	69	63	60	376	0.989
23/24	62	59	69	50	69	63	372	0.989
24/25	68	60	57	65	49	68	367	0.989
25/26	73	67	57	54	64	48	363	0.989
26/27	55	70	64	54	54	62	359	0.989
27/28	68	53	67	61	54	52	355	0.989
28/29	59	66	50	63	61	52	351	0.989
29/30	61	57	61	47	63	58	347	0.989
30/31	68	59	53	57	47	60	344	0.989
31/32	71	65	54	49	56	45	340	0.989
32/33	51	69	61	51	49	55	336	0.989
33/34	60	50	65	58	51	48	332	0.989
34/35	54	59	47	61	58	50	329	0.989
35/36	56	52	56	44	61	56	325	0.989

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	197	183	380	21/22	320
25/26	197	166	363	25/26	315
30/31	180	164	344	30/31	284
35/36	164	161	325	35/36	269

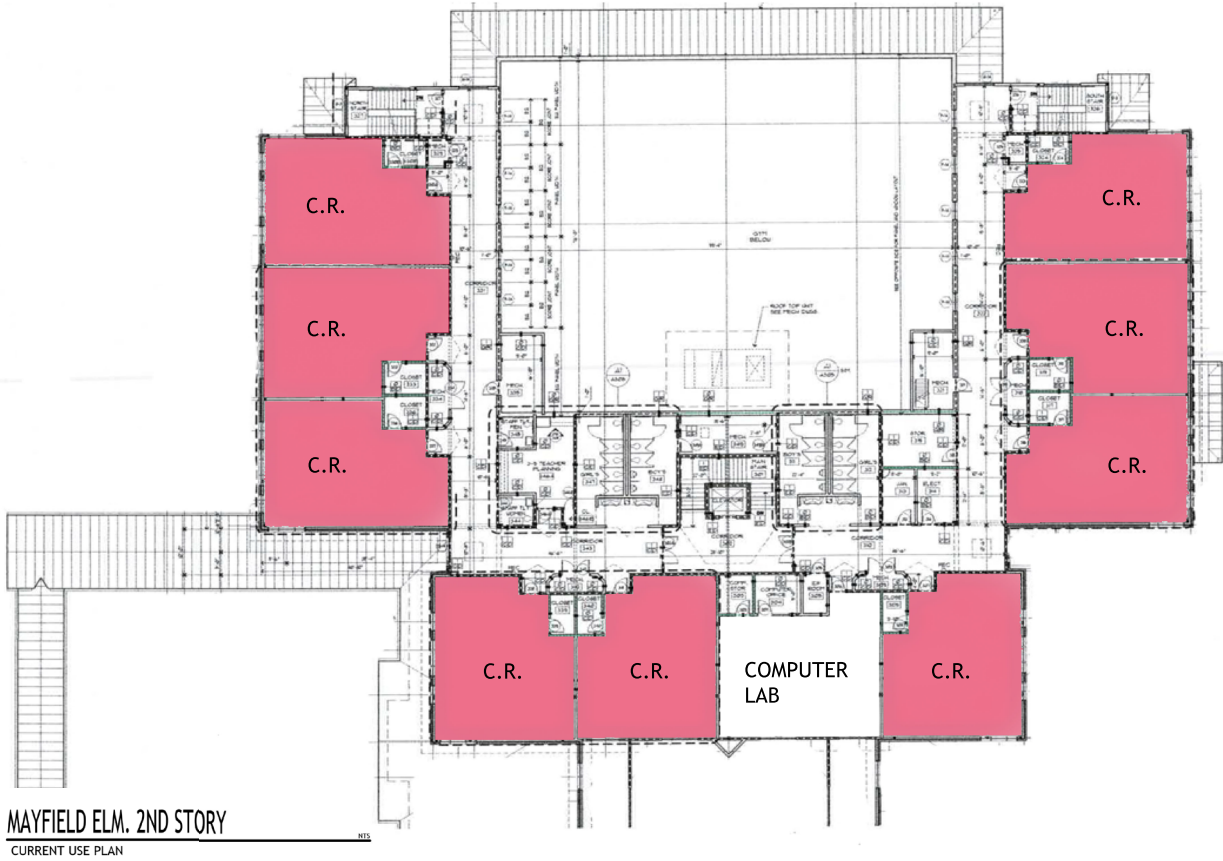
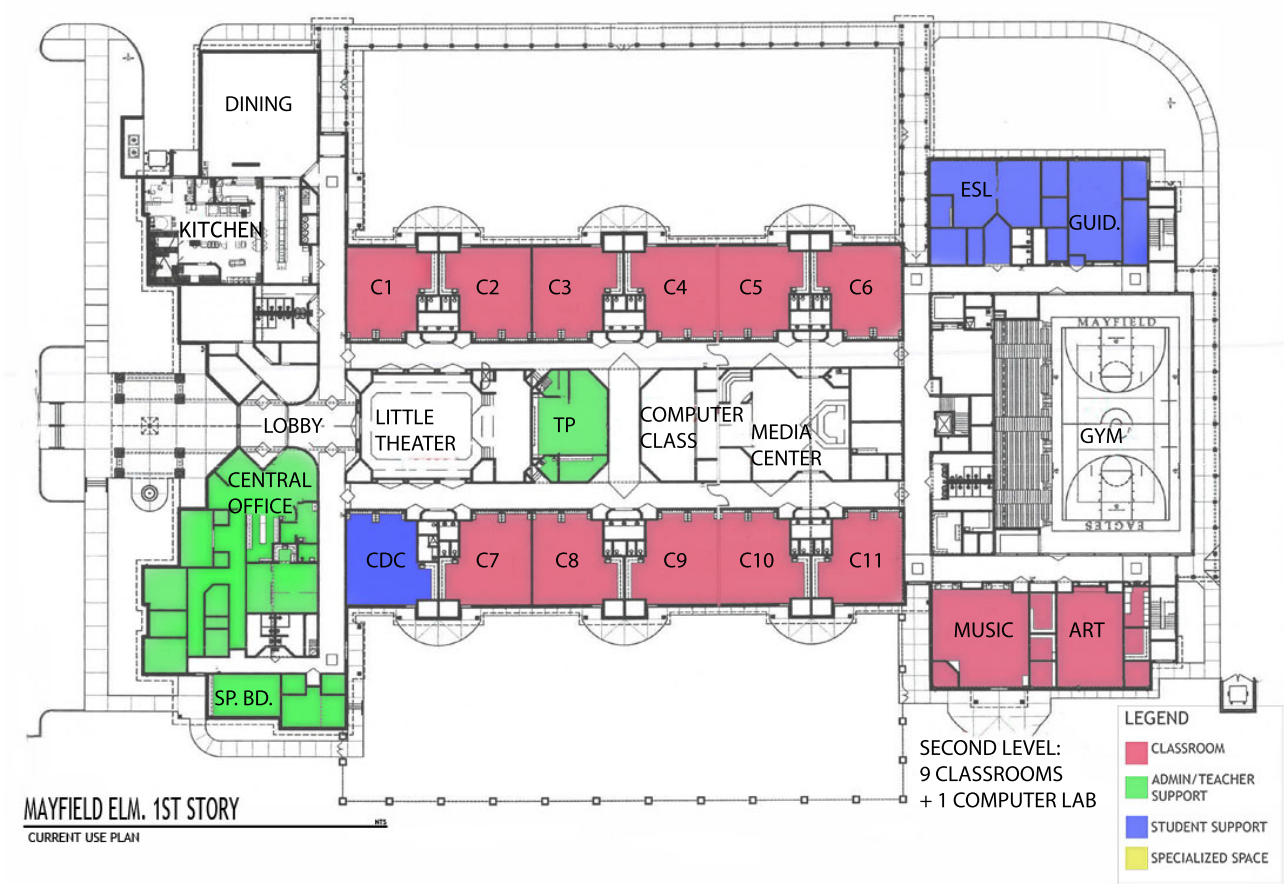
District Growth 1.013%

Grade Growth		1.017	1.000	0.954	1.017	1.012	Total	District Annual Growth
	K	1	2	3	4	5		
09/10	79	78	92	58	76	68	451	
10/11	88	81	79	95	59	82	484	1.073
11/12	93	99	90	84	106	73	545	1.126
12/13	89	93	105	81	79	107	554	1.017
13/14	76	101	88	96	76	84	521	0.940
14/15	93	74	102	80	87	79	515	0.988
15/16	86	83	80	107	80	91	527	1.023
16/17	81	89	88	79	115	88	540	1.025
17/18	93	75	85	91	80	103	527	0.976
18/19	84	91	76	82	95	81	509	0.966
19/20	83	70	64	59	70	69	415	0.815
20/21	51	79	64	54	59	69	376	0.906
21/22	71	54	72	63	60	60	380	1.011
22/23	69	71	53	69	63	60	385	1.013
23/24	71	68	69	50	69	63	390	1.013
24/25	78	69	66	65	49	68	395	1.013
25/26	84	76	66	62	64	48	400	1.013
26/27	64	81	73	63	62	62	405	1.013
27/28	79	62	77	70	63	60	411	1.013
28/29	79	76	58	73	70	60	416	1.013
29/30	81	76	71	54	73	66	421	1.013
30/31	88	78	71	66	54	70	427	1.013
31/32	94	84	72	66	65	51	432	1.013
32/33	70	92	79	68	66	63	438	1.013
33/34	82	68	87	75	68	64	444	1.013
34/35	82	79	65	82	75	66	449	1.013
35/36	84	80	75	61	82	73	455	1.013

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	197	183	380	21/22	320
25/26	226	174	400	25/26	352
30/31	237	190	427	30/31	357
35/36	239	216	455	35/36	382

MAYFIELD ELEMENTARY Floor Plan



May 6, 2021

PARTICIPANTS
Stephanie Stone
Zachery Riggins
Hal Taylor
Don Shell
Brian Templeton

- MEETING NOTES
1. Current School Populations – Ross 240 & Yates 240
 2. Yates serves K-2 and Ross serves PK & 3-5
 3. There are 13 existing classrooms at Ross and 15 existing classrooms at Yates.
 4. There are currently 3 classrooms per grade level except 1st which has 4.
 5. Yates is full and Ross has space. The buildings are not currently proportional.
 6. There are currently 80 5th graders at Ross.
 7. Ms. Stone & Mr. Riggins were not opposed to the 5/6 grade school concept but they did offer some pro’s and con’s.
 - The con was Ross/Yates students would have 4 school transitions (all others would have 3)
 - Pro’s would be more space in all the schools and homogeneous ages at 4/5 would offer lots of educational opportunities.
 8. The Ross/Yates students and faculty do not have access to an auditorium like other schools. Ms. Stone would like to have a space to gather the entire staff together (100 occupants).
 9. The Yates office area lacks space. SRO doesn’t have close proximity and view of the entrance.
 10. Yates needs more dining space in the Cafeteria. Ms. Stone suggested opening up the current music room like what was done at Ross.

MAINTENANCE ITEMS



BEP Classroom Analysis

K-2	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	91	Regular	4	20	80
1	72	Regular	4	20	80
2	91	Regular	4	20	80
Total	254	Regular	12		240
		Regular Transition	1	20	20
Total		Classrooms	13		260

Support Areas	Qty	Notes
Art	1	
Assistant Principal	0	
Resource	2	
Counselor	0	
ERC	0	
ESL	1	
Intervention	3	
Music	1	
Professional Services	0	
RTI	0	
RTI Counselor	0	
Sensory Room	0	
Special Services	2	
STEM Lab	0	
Virtual Classroom	0	
Total Support Areas (K-2)	10	

Notes:

YATES PRIMARY Projections

Individual Facility Growth 0.980%

Grade Growth		1.047	1.033	Total	Facility Annual Growth
	K	1	2		
09/10	98	118	130	346	
10/11	105	100	122	327	0.945
11/12	118	121	104	343	1.049
12/13	105	112	120	337	0.983
13/14	101	113	105	319	0.947
14/15	122	111	111	344	1.078
15/16	113	131	118	362	1.052
16/17	103	114	129	346	0.956
17/18	108	105	111	324	0.936
18/19	104	105	113	322	0.994
19/20	83	76	92	251	0.780
20/21	65	77	70	212	0.845
21/22	91	72	91	254	1.198
22/23	85	92	72	249	0.980
23/24	66	86	92	244	0.980
24/25	87	66	86	239	0.980
25/26	81	87	66	234	0.980
26/27	62	81	87	230	0.980
27/28	83	61	81	225	0.980
28/29	79	81	61	221	0.980
29/30	59	76	81	216	0.980
30/31	79	57	76	212	0.980
31/32	75	76	57	208	0.980
32/33	53	74	77	204	0.980
33/34	72	53	75	200	0.980
34/35	72	71	53	196	0.980
35/36	50	71	71	192	0.980

Enrollment Summaries

	K-2
21/22	254
25/26	234
30/31	212
35/36	192

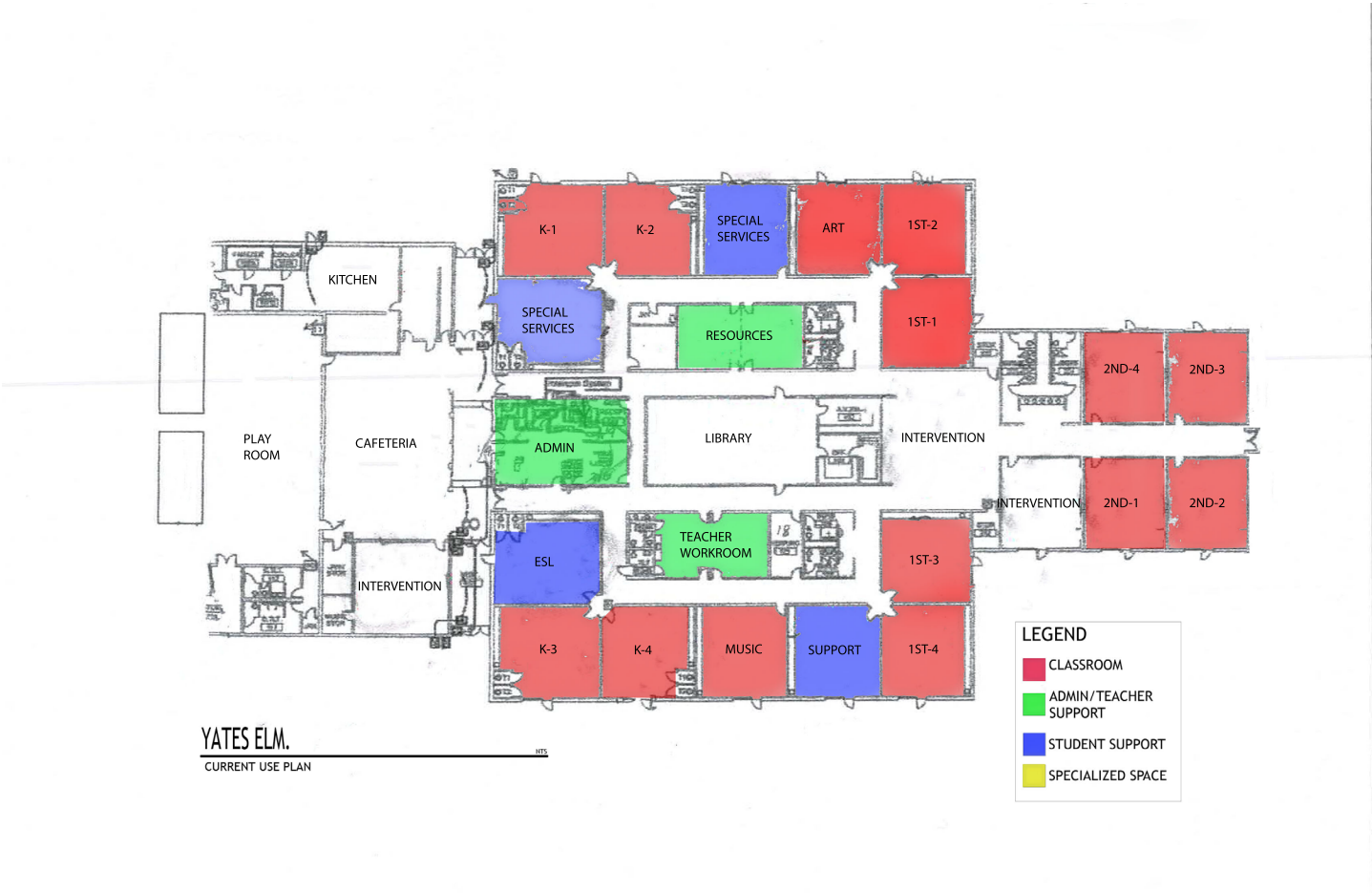
District Growth 1.013%

Grade Growth		1.047	1.033	Total	District Annual Growth
	K	1	2		
09/10	98	118	130	346	
10/11	105	100	122	327	0.945
11/12	118	121	104	343	1.049
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20/21	65	77	70	212	0.845
21/22	91	72	91	254	1.198
22/23	93	92	72	257	1.013
23/24	75	94	92	261	1.013
24/25	96	74	94	264	1.013
25/26	97	96	74	267	1.013
26/27	78	97	96	271	1.013
27/28	100	77	97	274	1.013
28/29	103	98	77	278	1.013
29/30	84	100	98	282	1.013
30/31	104	81	100	285	1.013
31/32	107	101	81	289	1.013
32/33	85	106	102	293	1.013
33/34	105	84	108	297	1.013
34/35	113	103	84	300	1.013
35/36	89	112	103	304	1.013

Enrollment Summaries

	K-2
21/22	254
25/26	267
30/31	285
35/36	304

YATES PRIMARY Floor Plan



May 6, 2021

PARTICIPANTS
Stephanie Stone
Zachery Riggins
Hal Taylor
Don Shell
Brian Templeton

MEETING NOTES

1. Current School Populations – Ross 240 & Yates 240
2. Yates serves K-2 and Ross serves PK & 3-5
3. There are 13 existing classrooms at Ross and 15 existing classrooms at Yates.
4. There are currently 3 classrooms per grade level except 1st which has 4.
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10. Yates needs more dining space in the Cafeteria. Ms. Stone suggested opening up the current music room like what was done at Ross.

MAINTENANCE ITEMS



BEP Classroom Analysis

3-5	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
3	82	Regular	5	20	100
4	87	Regular	4	25	100
5	75	Regular	4	25	100
Total	244	Classrooms	13		300

3-4	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
3	82	Regular	7	20	140
4	87	Regular	6	25	150
Total	169	Classrooms	13		290

Support Areas	Qty	Notes
Tec/Art	1	
Assistant Principal	0	
Computer Lab	0	
Counselor	1	
ERC	0	
ESL		
Instructional Specialist	0	
Music	1	
Pre-K / Head-Start	1	
Professional Services	0	
RTI	0	
RTI Counselor	0	
Sensory Room	1	
Small Group	3	
Special Services	2	
STEM Lab	0	
Resource	2	
Total Support Areas	12	

Notes:

1. Retaining 13 classrooms for 3rd-4th: increases student capacity 80-90 students.

ROSS ELEMENTARY Projections

Individual Facility Growth 0.981%

Grade Growth		1.022	1.007	Total	Facility Annual Growth
	3	4	5		
09/10	109	104	117	330	
10/11	135	113	112	360	1.091
11/12	108	135	114	357	0.992
12/13	97	115	130	342	0.958
13/14	127	105	115	347	1.015
14/15	107	133	107	347	1.000
15/16	116	113	139	368	1.061
16/17	114	119	112	345	0.938
17/18	127	119	129	375	1.087
18/19	114	127	122	363	0.968
19/20	81	85	83	249	0.686
20/21	82	78	75	235	0.944
21/22	82	87	75	244	1.038
22/23	71	83	85	239	0.981
23/24	83	72	80	235	0.981
24/25	78	84	69	231	0.981
25/26	67	78	81	226	0.981
26/27	80	67	75	222	0.981
27/28	75	79	64	218	0.981
28/29	65	74	75	214	0.981
29/30	76	64	70	210	0.981
30/31	73	74	59	206	0.981
31/32	64	71	67	202	0.981
32/33	67	64	67	198	0.981
33/34	67	67	61	195	0.981
34/35	61	66	64	191	0.981
35/36	63	61	63	187	0.981

Enrollment Summaries

	3-5		3-4
21/22	244	21/22	169
25/26	226	25/26	145
30/31	206	30/31	147
35/36	187	35/36	124

District Growth 1.013%

Grade Growth		1.022	1.007	Total	District Annual Growth
	3	4	5		
09/10	109	104	117	330	
10/11	135	113	112	360	1.091
11/12	108	135	114	357	0.992
12/13	97	115	130	342	0.958
13/14	127	105	115	347	1.015
14/15	107	133	107	347	1.000
15/16	116	113	139	368	1.061
16/17	114	119	112	345	0.938
17/18	127	119	129	375	1.087
18/19	114	127	122	363	0.968
19/20	81	85	83	249	0.686
20/21	82	78	75	235	0.944
21/22	82	87	75	244	1.038
22/23	79	83	85	247	1.013
23/24	90	80	80	250	1.013
24/25	86	91	77	254	1.013
25/26	83	86	88	257	1.013
26/27	94	83	83	260	1.013
27/28	92	93	79	264	1.013
28/29	89	90	88	267	1.013
29/30	99	87	85	271	1.013
30/31	97	96	81	274	1.013
31/32	96	94	88	278	1.013
32/33	97	95	89	281	1.013
33/34	98	97	90	285	1.013
34/35	100	97	92	289	1.013
35/36	101	99	92	292	1.013

Enrollment Summaries

	3-5		3-4
21/22	244	21/22	169
25/26	257	25/26	169
30/31	274	30/31	193
35/36	292	35/36	200

May 3, 2021

PARTICIPANTS
Richelle Shelton
Hal Taylor
Don Shell
Brian Templeton

MEETING NOTES

1. Current School Population – 252
2. There are 26 existing classroom sized spaces in the building. 12 are used as general k-5 classrooms and 4 are used for special ed. There is currently one open classroom. The remaining are used for special areas.
3. There are currently 2 classrooms per grade level.
4. Stuart has 2 classrooms used for district-wide pre-k and 1 classroom used for district-wide CDC.
5. The current neighborhoods zoned for Stuart were older homes with a predominately older population. The Hispanic population within the school continues to rise. It has grown from 13% to 30% in 13 years.
6. Rezoning pulled most of the affluent families from Stuart to Candy’s Creek.
7. Pulling the 5th grade out of the school would potentially open up 2 classrooms.
8. Ms. Shelton was not opposed to the 5/6 grade school concept. She believes the 5th and 6th grades pair well academically. She suggested 5th grade CDC students stay at the K-4 level.
9. Stuart is the most central K-5 school in the district.
10. There is adjacent property to the school, but its development is restricted by the Army Corps of Engineers.

MAINTENANCE ITEMS

- Restroom upgrades – possible conversion to an observable group sink arrangement to deal with behavioral issues.



BEP Classroom Analysis

K-5	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	40	Regular	2	20	40
1	43	Regular	2	20	40
2	39	Regular	2	20	40
3	45	Regular	2	20	40
4	44	Regular	2	25	50
5	37	Regular	2	25	50
		Transition	1	20	20
Sub-Total	248	Regular	13		280
		CDC	4	10	40
Total		Classrooms	17		320

K-4	2021 Students	Type	BEP Required Classrooms		
			Qty	BEP	Total
K	40	Regular	3	20	60
1	43	Regular	3	20	60
2	39	Regular	2	20	40
3	45	Regular	3	20	60
4	44	Regular	2	25	50
Sub-Total	211	Regular	13		270
		CDC	4	10	40
Total		Classrooms	17		310

Support Areas	Qty	Notes
Art	1	
Reading Intervention	3	
PK / District-Wide	2	
Counselor	1	
ESL	0	
Special Ed	2	
Music	0	
Professional Services	1	
Resource	1	
Sensory Room	0	
Speech & Hearing	1	
Total Support Areas	12	

Notes:

STUART ELEMENTARY Projections

Individual Facility Growth 0.962%

Grade Growth		0.993	0.982	0.942	1.010	1.019	Total	Facility Annual Growth
	K	1	2	3	4	5		
09/10	71	77	66	64	87	61	426	
10/11	93	76	74	68	77	90	478	1.122
11/12	71	92	74	79	68	78	462	0.967
12/13	88	73	91	73	77	69	471	1.019
13/14	82	83	68	83	64	75	455	0.966
14/15	76	83	78	70	81	71	459	1.009
15/16	78	78	82	79	69	77	463	1.009
16/17	68	73	77	71	74	66	429	0.927
17/18	74	65	72	66	71	74	422	0.984
18/19	56	66	63	50	53	61	349	0.827
19/20	44	40	46	34	38	46	248	0.711
20/21	52	41	41	47	33	39	253	1.020
21/22	33	50	44	43	39	39	248	0.980
22/23	38	32	48	40	41	39	238	0.962
23/24	40	37	31	44	37	40	229	0.962
24/25	43	38	35	28	41	36	221	0.962
25/26	39	40	36	31	26	40	212	0.962
26/27	43	37	38	32	29	25	204	0.962
27/28	31	40	35	33	29	28	196	0.962
28/29	34	29	38	30	30	28	189	0.962
29/30	35	31	27	32	27	29	181	0.962
30/31	36	32	29	23	28	26	174	0.962
31/32	32	33	30	25	21	27	168	0.962
32/33	28	30	32	27	23	21	161	0.962
33/34	22	27	29	29	25	23	155	0.962
34/35	25	21	26	26	27	24	149	0.962
35/36	26	24	20	23	24	26	143	0.962

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	127	121	248	21/22	209
25/26	115	97	212	25/26	172
30/31	97	77	174	30/31	148
35/36	70	73	143	35/36	117

District Growth 1.013%

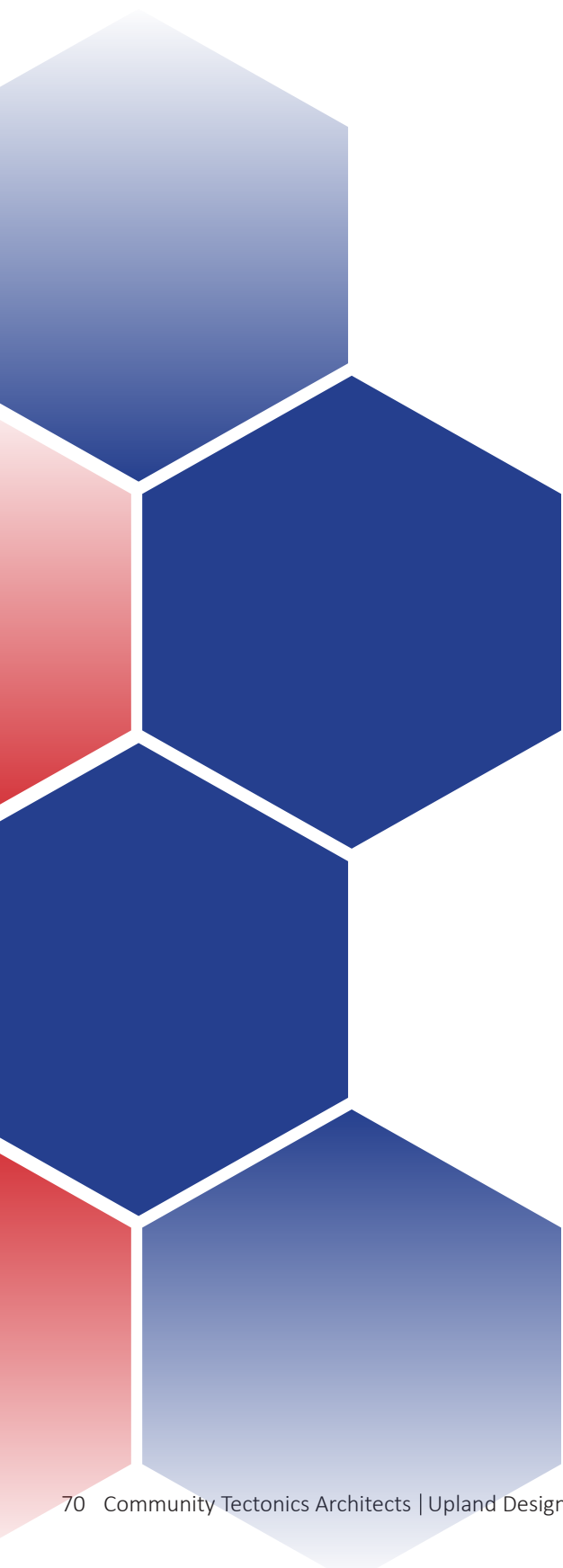
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	K	1	2	3	4	5		
09/10	71	77	66	64	87	61	426	
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16/17	68	73	77	71	74	66	429	0.927
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18/19	56	66	63	50	53	61	349	0.827
19/20	44	40	46	34	38	46	248	0.711
20/21	52	41	41	47	33	39	253	1.020
21/22	33	50	44	43	39	39	248	0.980
22/23	51	32	48	40	41	39	251	1.013
23/24	53	49	31	44	37	40	254	1.013
24/25	55	51	47	28	41	36	258	1.013
25/26	53	52	48	42	26	40	261	1.013
26/27	59	50	50	42	39	25	265	1.013
27/28	46	55	48	43	38	38	268	1.013
28/29	60	42	52	41	39	37	271	1.013
29/30	60	56	40	44	37	38	275	1.013
30/31	62	55	53	34	39	36	279	1.013
31/32	58	57	52	46	31	38	282	1.013
32/33	56	55	55	47	42	31	286	1.013
33/34	50	53	53	49	43	42	290	1.013
34/35	61	47	51	47	45	42	293	1.013
35/36	62	58	45	45	43	44	297	1.013

Enrollment Summaries

	K-2	3-5	Total		K-4
21/22	127	121	248	21/22	209
25/26	153	108	261	25/26	221
30/31	170	109	279	30/31	243
35/36	165	132	297	35/36	253

STUART ELEMENTARY Floor Plan





IV. NEW INTERMEDIATE SCHOOL (5th~6th)

Core Capacity: 1,200 Students
Planned Capacity: 1,000 Students

	Educational Program			
	Space	Area (sf)	Total (sf)	Teaching Spaces
Administration				
Secured Entry Foyer /Lobby	1	600	600	
Reception/Waiting	1	150	150	
Central Office	1	500	500	
Workroom/Mailroom	1	300	300	
Bookkeeper	1	150	150	
Principal's Office	1	300	300	
Principal's Office toilet	1	40	40	
Conference Room	1	300	300	
Supply/Kitchenette	1	250	250	
Staff Toilets	2	60	120	
SRO Office	1	150	150	
Record Storage	1	80	80	
Janitorial Storage	1	60	60	
Sub-Total			3000	
Student Services				
Clinic Waiting	1	50	50	
Clinic Nursing Station	1	150	150	
Clinic Sick Bays	3	50	150	
Clinic Toilet	1	50	50	
Guidance Reception/Browsing	1	150	150	
Guidance Office	1	150	150	
Guidance Conference Room	1	300	300	
Testing Office/Coorinaor Curriculum	1	400	400	
Guidance Record Storage	1	150	150	
Sub-Total			1550	
Special Education				
CDC Classroom	1	950	950	1
Special Education Classroom	1	950	950	1
Toilet with toilet and shower	1	150	150	
Living Skills Classroom	1	1000	1000	
Speech & Hearing Room	1	200	200	
Behaviour Classroom/ISS	1	1000	1000	1
Sub-Total			4250	2

	Educational Program			
	Space	Area (sf)	Total (sf)	Teaching Spaces
Fifth Grade Learning Areas				
5th Grade Stem Lab/Classrooms	6	1200	7200	6
5th Grade Stem Storage Rms	3	100	300	
5th Grade Classrooms	18	900	16200	18
5th Grade Teacher Planning /Workroom/Toilets	1	1200	1200	
5th Grade Student Toilets	2	500	1000	
Intervention/Sensory Room	1	400	400	
Resource Room	1	500	500	
ERC Room	1	500	500	
Counselor's Office	1	150	150	
Asst. Principal Office	1	200	200	
Sub-Total			27650	24
Sixth Grade Learning Areas				
6th Grade Stem Lab/Classrooms	6	1200	7200	6
6th Grade Stem Storage Rms	3	100	300	
6th Grade Classrooms	18	900	16200	18
6th Grade Teacher Planning Workroom//Toilets	1	1200	1200	
6th Grade Student Toilets	2	500	1000	
Intervention /Sensory Room	1	400	400	
ERC Room	1	500	500	
Resource Room	1	500	500	
Counselor's Office	1	150	150	
Asst. Principal Office	1	200	200	
Sub-Total			27650	24
Library/Media Center				
Reading/ Class	1	2000	2000	1
Stacks	1	1000	1000	
Teacher Resource Room	1	100	100	
Office	1	120	120	
Study/Conference Room	2	100	200	
Sub-Total			3420	1
Art				
Digital Art Classroom	1	1000	1000	1
Digital Art Classroom Storage	1	100	100	
Art Office	2	100	200	
Art Multi-Purpose	1	1000	1000	1
Art Multi-Purpose Storage	1	150	150	
Art Studio Project Storage	1	150	150	
Kiln	1	100	100	
Sub-Total			2700	2

	Educational Program			
	Space	Area (sf)	Total (sf)	Teaching Spaces
General Music				
Music/Drama Classroom	1	1000	1000	1
Music/Drama Storage	1	100	100	
Sub-Total			1100	1
Choral				
Choral Classroom (30)	1	1200	1200	1
Choral Storage	1	100	100	
Choral Office	1	100	100	
Sub-Total			1300	1
Band				
Instrumental Rehearsal Room (40)	1	1500	1500	1
Instrument Storage Room	1	250	250	
Small Ensemble Room (25)	1	400	400	1
Band Directors' Office	1	100	100	
Sub-Total			2150	1
Little Theater/Auditorium				
Learning Stair (Little Theater @ 300 seats)	1	3000	3000	1
Stage Area	1	1200	1200	
Prop Storage	1	200	200	
Sub-Total			4400	1
Physical Education				
Lobby	1	600	600	
Concessions	1	400	400	
Janitor Storage	1	100	100	
Public Toilets	2	600	1200	
Wellness Classroom	1	850	850	
Weight Room	1	1200	1200	1
Gymnasium (1200 seats)	1	12000	12000	2
Sport Team Dressing/Toilets/shower	2	600	1200	
Sport Team Coach's Offices /Toilets	2	125	250	
PE Dressing Room/Toilets/shower	2	1000	2000	
PE Coach's Offices	2	125	250	
PE Coach/Stor	2	100	200	
PE Storage	1	800	800	
Sub-Total			21050	3

	Educational Program			
	Space	Area (sf)	Total (sf)	Teaching Spaces
Food Service				
Cafeteria/Café/Commons (400)	1	6000	6000	2
Table Storage	1	500	500	
Kitchen	1	3000	3000	
Serving	1	1700	1700	
Sub-Total			11200	2
Building Services				
Public Toilets	2	600	1200	
Intermediate Distribution Rooms	4	50	200	
Technology Room	1	300	300	
Janitorial Storage	4	50	200	
Sub-Total			1900	
Mechanical/Electrical Services				
Mechanical Room	1	1000	1000	
Electrical Room	1	500	500	
Sub-Total			1500	
TOTAL NET AREA			114,820	
EFFICIENCY RATIO (65%)			61,826	
GROSS AREA			176,646	

NOTES

1. Area per Student (SF)

147
2. Teaching Stations

62
3. Potential 8 classroom expansion (two teams @ 4 Classrooms each)

If we want to have a successful Intermediate School, our Facility must...

GROUP RESPONSES

- Plan for technology
- Have flexible spaces
- Have related arts spaces
- Have spacious classrooms
- Have space for SPED & CDC
- Have cohesive flow with spatial and functional relationships
- Have collaborative workspace for Staff - Workrooms
- Be safe and secure
- Have expandability with flexibility
- Have a “central site” location to the other schools

How can we establish a sense of Community in this New School?

GROUP RESPONSES

- Name / Branding – “Intermediate”
- Include school-based student activities
- Connection to Community and other Schools

PROS for the 5/6 Grade School Concept

GROUP RESPONSES

- Instructional Alignment
- Eases the transition to Middle School
- Supports Parents
- Extra support for students, day-in to day-out
- Expand 5th Grade services and opportunities
- Extra support for both 5th and 6th Grade
- Helps with the transition to 7th-12th grades with soft skills
- Would help 5th Graders prepare for advanced academics (related arts)
- Smaller population at CMS and the Elementary Schools
- Better Traffic Flow
- Increase instructional time
- New options – expanded curriculum
- Logical way to help with overcrowding at CMS
- Master Scheduling
- Teacher Certification
- STEM School *Language
- New Facility upgrades

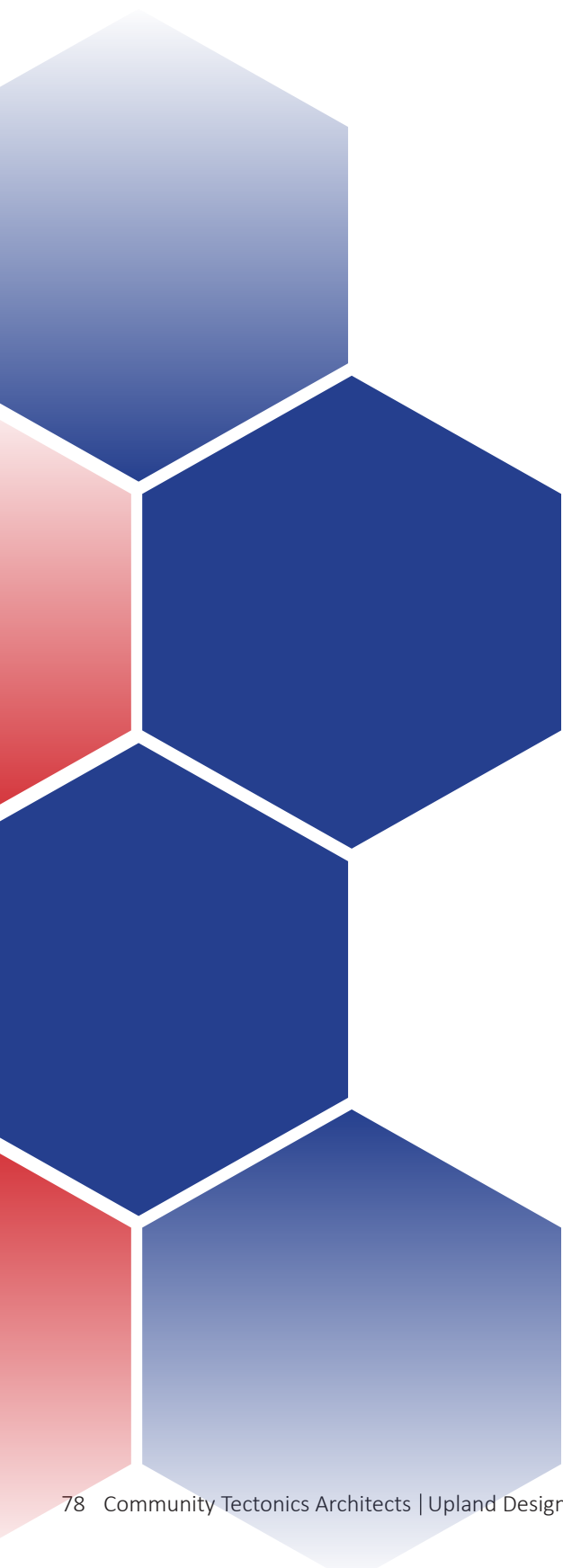
CONS FOR THE 5TH/6TH GRADE SCHOOL CONCEPT

GROUP RESPONSES

- Start/End times
- Transportation
- Personnel – How to determine? How to fund?
- Students at multiple schools – hybrid families
- Resources – New/Old “furniture”
- Zoning & Tuition – possible future growth
- Money
- Rezone – small schools
- Involvement- extracurricular activities – “If we lose what we have”
- Adaptability of building for a different grade structure
- Coordination of Services
- More school transitions
- Possibility... Location
- 6th Grade Buy-In (students)
- Traffic consideration
- Re-structuring issues @ CMS or Elementary
- Perception of inequality within system? (Teacher issues)

GROUP COMMENTS MADE DURING DISCUSSIONS

- There are currently 6th grade basketball teams, a baseball and a boys soccer team
- 65 Students on the CMS Wrestling Team – 1/3 are 6th Graders
- 6th Graders don’t play football at CMS
- 5th Grade sports are through community / recreation leagues
- The new exterior space for a practice soccer field and PE
- Stem Labs would be needed – not typical Science Labs
- The 5/6 Grade School needs Choir and Band
- Steam Labs are needed – like the Art Room at CMS
- Much debate on number of man teams – settled on 2 man teams of ELA/MATH (90 min.)
- One Steam Lab is needed for every 2 teams for project-based learning (CKLA)
- Desire improved counseling of 6th graders – currently at CMS there is not time
- 1 Sensory room in needed per Grade Level
- 1 ERC is need per Grade Level w/ changing and restrooms????



V. CLEVELAND MIDDLE SCHOOL (7th~8th)

April 26, 2021

PARTICIPANTS

Dr. Leneda Liang
Hal Taylor
Don Shell
Brian Templeton
Aaron Grohol

MEETING NOTES

1. Current School Population – 1,370 (has fluctuated just below 1,400)
2. There are 20 classrooms in each of the 3 wings.
3. Dr. Laing was open to the 5/6 grade school concept and indicated it could work well academically. The potential hurdle would be how to handle sports and related arts.
 - The sixth grade currently participates in middle school basketball, cross country and track.
 - The sixth grade generally does not participate in middle school football.
4. Pulling the 6th grade out of CMS would allow for the projected growth of 1,200 students over the next 5/10/15 years. Ideal configuration would be 16 general academic classrooms of 25 students and 4 flex classrooms per wing.
5. Current School demographics: 25% of population is currently Hispanic and 12-15% is currently African American. Dr. Laing expects those numbers to continue to grow.
6. Currently CDC utilizes 2 classrooms. They have a larger restroom space with washer and dryer. There are 4 ERC classes of 8/10 students. The drop off for CDC could stand to be improved.
7. CMS is 1 to 1, so the computer lab is used as a classroom.
8. Currently, 3 related arts teachers do not have classrooms (nutrition, health & sports history and physical ed.)
9. Planning periods are common among grade levels.
10. Currently there is a lack of space for PE classes and team sports practices. Additional gym space is desired. CMS offers many diverse PE and extra-curricular options to students.
 - 35 students in each P.E. class
 - 4 classrooms in gym @ one time
 - Theater space used for gym on bad weather days.
 - Weight Training program needs gym space.
 - Wrestling team – Girls and Boys on same team but might change.
 - Dance uses theater space.
 - Volleyball, Basketball, Cheerleading, Dance, Soccer, Track, Cross County, Tennis, Wrestling, Band, Color Guard etc. compete for Gym space
11. There are currently 3 ESL teachers providing pull out instruction in small groups for 90 minute periods. Dividers are used to separate the groups.
12. There is currently no space for life skills instruction.
13. The cafeteria currently seats 400 students per lunch period. They need more dining space. It appears that an addition to accommodate more seating would be possible.
14. Dr. Laing mentioned that a new stem classroom is in the works to be provided through ESSER funding but there was limited space available.
15. Music Wing (2 teachers) Currently not using all rooms for music.
16. Small groups / individual groups currently meet in teacher lounge and workroom spaces.

ACADEMIC TEAMS

6TH GRADE

3-Man Teams (6)
2-Man Teams (1)

7TH GRADE

4-Man Teams (4)

8TH GRADE

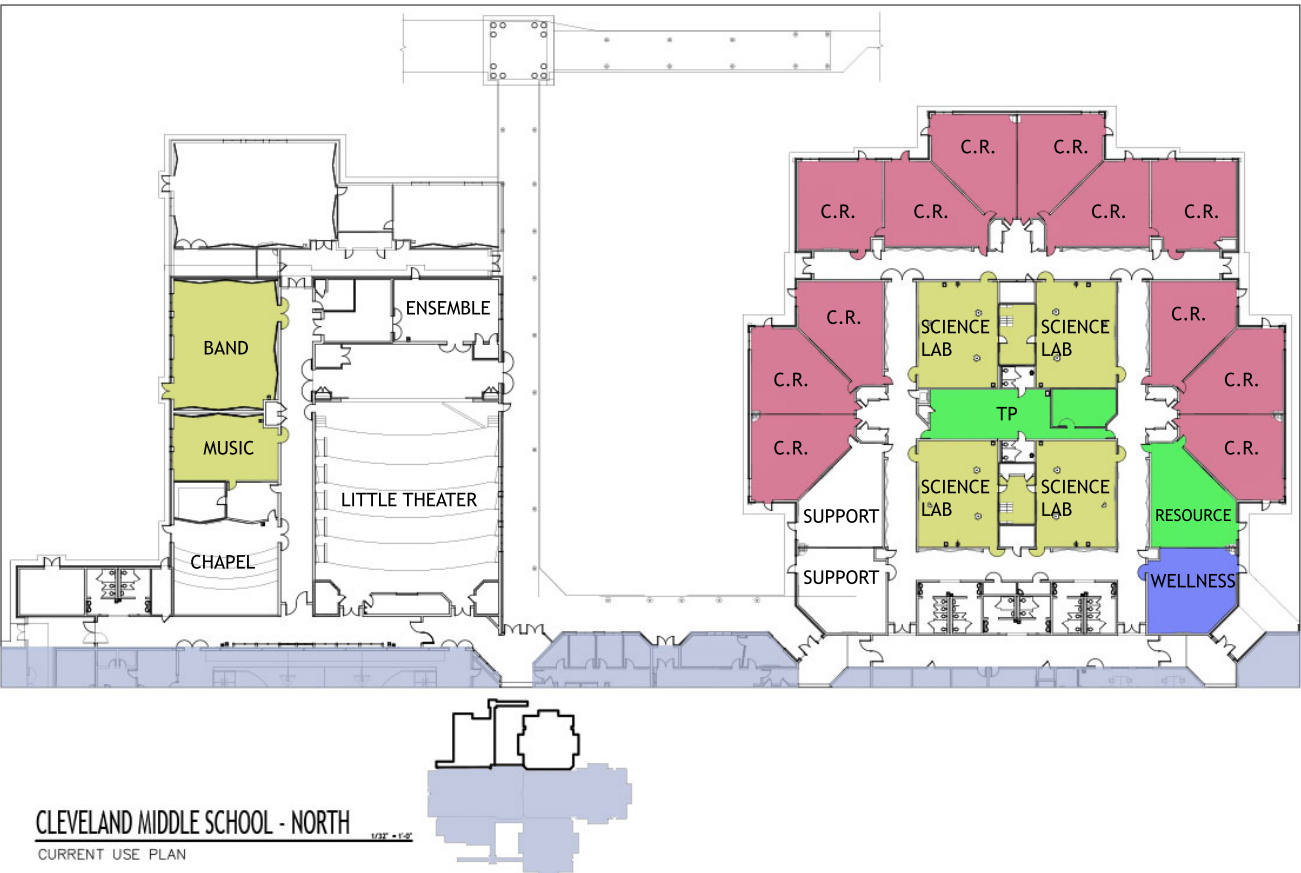
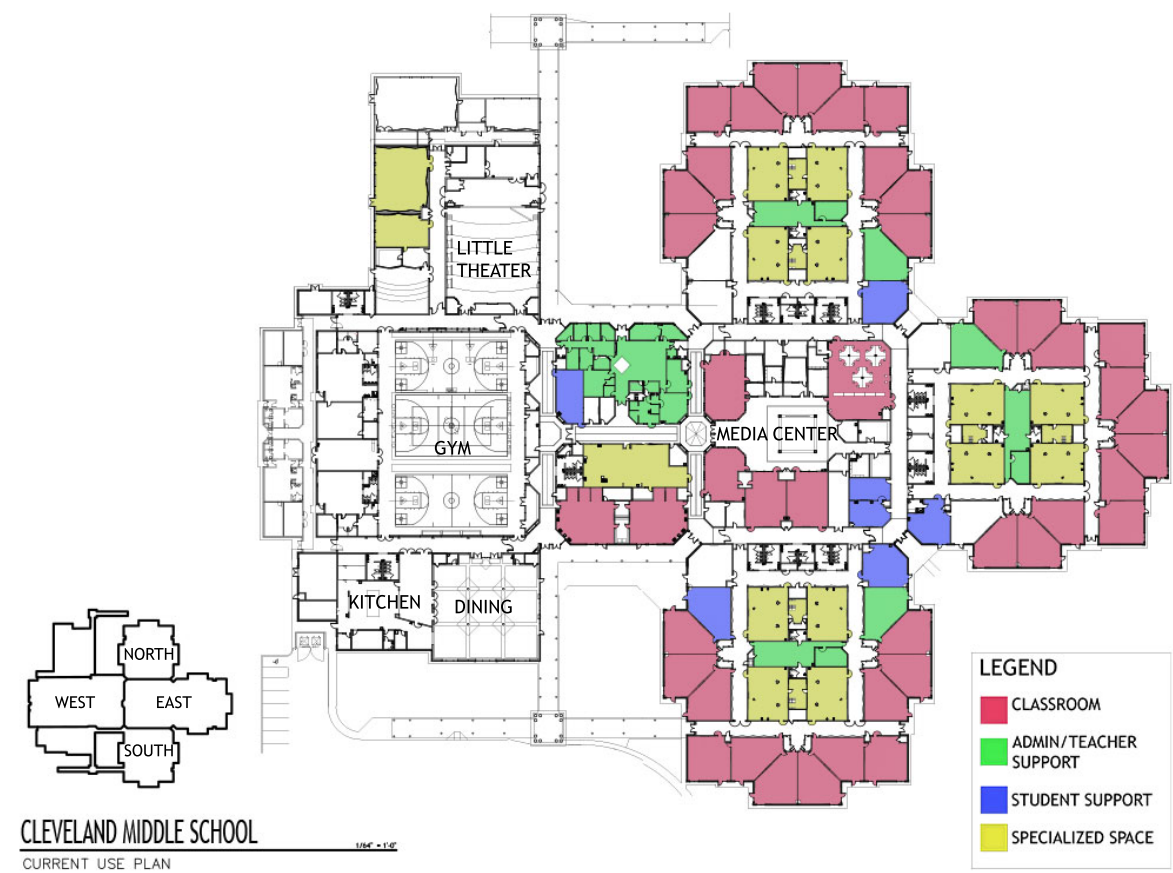
Language Arts (4)
Science (4)
Math (4)
English (4)

MAINTENANCE ITEMS

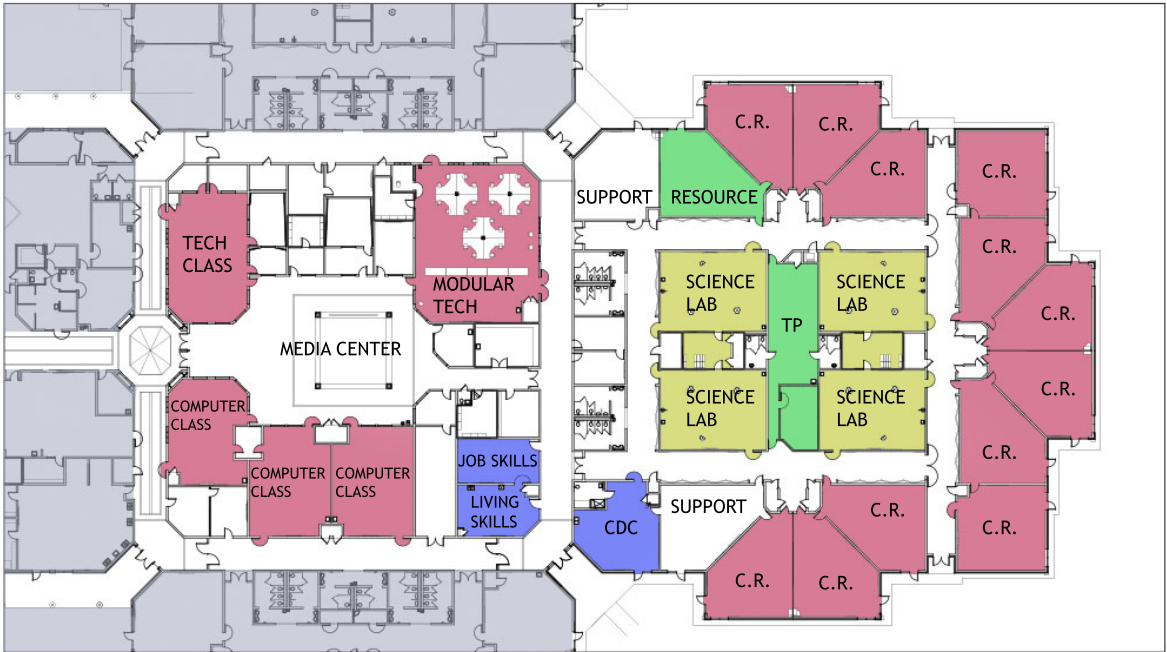
- 20 year-old mechanical units are scheduled to be replaced.
- Bathrooms need to be refurbished.
- Gym bleachers need to be replaced.



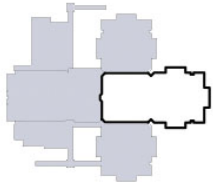
CLEVELAND MIDDLE SCHOOL Floor Plan



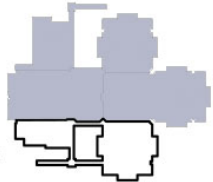
CLEVELAND MIDDLE SCHOOL Floor Plan



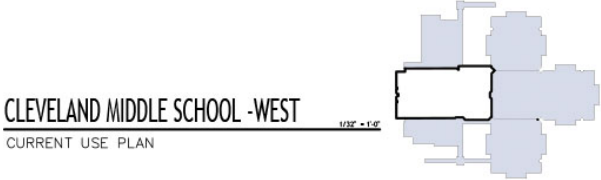
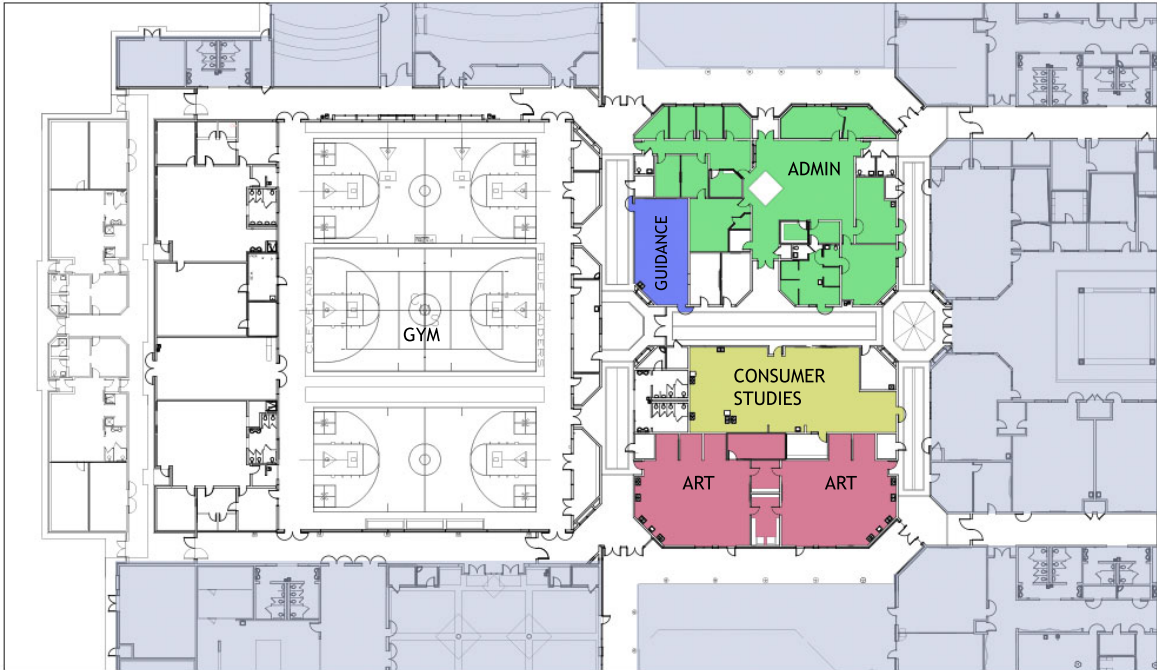
CLEVELAND MIDDLE SCHOOL - EAST
CURRENT USE PLAN



CLEVELAND MIDDLE SCHOOL - SOUTH
CURRENT USE PLAN



CLEVELAND MIDDLE SCHOOL Floor Plan



VI. CLEVELAND HIGH SCHOOL (9th~12th) ADDITIONS AND RENOVATIONS

April 28, 2021

PARTICIPANTS

Autumn O’Bryan
Hal Taylor
Don Shell
Brian Templeton
Aaron Grohol

MEETING NOTES

1. Current School Population – 1,700
2. Projected Student Population by 2035 – 2,323
3. The building is currently organized as the west wing serving the lower grades 9 & 10 and the east wing serving the upper grades 11 & 12.
4. The building lacks gathering space. The Commons isn’t used for large group gathering during the school day due to common traffic between the East and West wings. Gathering space for groups of 600-800 is needed. A space or multiple spaces this size could also be used for testing.
5. The school has outgrown the Little Theater with what is currently being done with drama and choir productions.
6. East to West circulation through the school is challenging. A secure connector from the Science Wing to the Arena would be beneficial.
7. Lunch period is currently divided into 2 period of 2 grades each. The indoor dining capacity is 600. Outdoor dining is helps when usable. Covered areas would be even more helpful.
8. ROTC needs 2,500 square feet. The Band Room is too small for them to use. They also need access to two classrooms and a secured storage space.
9. The current Media Center is too big for how it is being used now.
10. The main entrance into the school needs improvement. Covered area would be nice.
11. Centralized space near the Commons for Counseling, Bookstore, Snack Shop and Health Clinic would improve accessibility.
12. Need more Administrative Space.
13. There are currently 4 ESL and 4 SPED Classrooms. Each has 15-20 students. Need to be separated.
14. The current marching band size is 100.
15. CTE – Health Sciences has the largest participation.
16. Culinary program would ideally be located near the Commons / Snack Shop.
17. Raider Blue Academy (RBA) is the alternative school and is located in the west wing.
18. All departments have 10 teachers.
19. CHS uses block scheduling. Teachers use their classrooms for planning. There are no designated common workrooms.

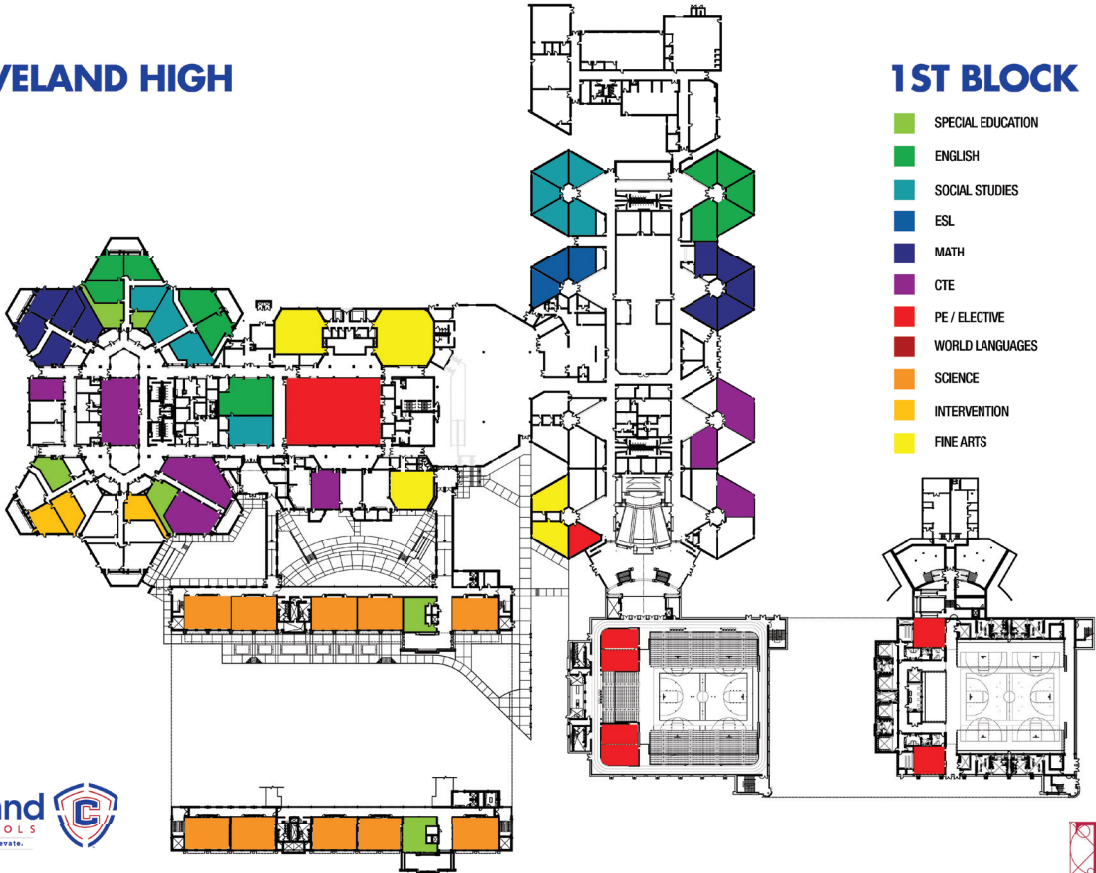
MAINTENANCE ITEMS

- West Wing Sewer
- Geothermal field loop leaks could lead to issues with system’s heating capacity
- Ongoing issues with RTU’s
- No reinforcing in masonry walls in both the east and west wings
- Principal’s Office carpet



CLEVELAND HIGH Block Scheduling Diagrams

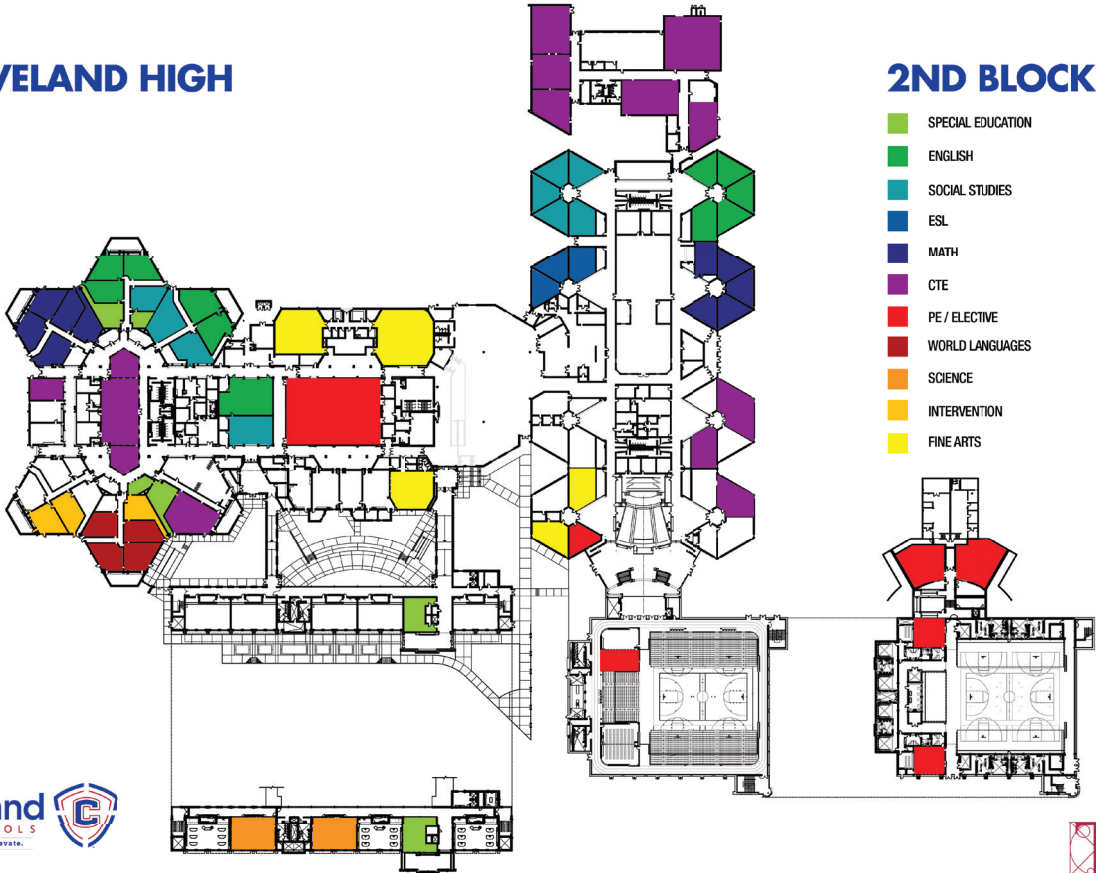
CLEVELAND HIGH



Cleveland CITY SCHOOLS



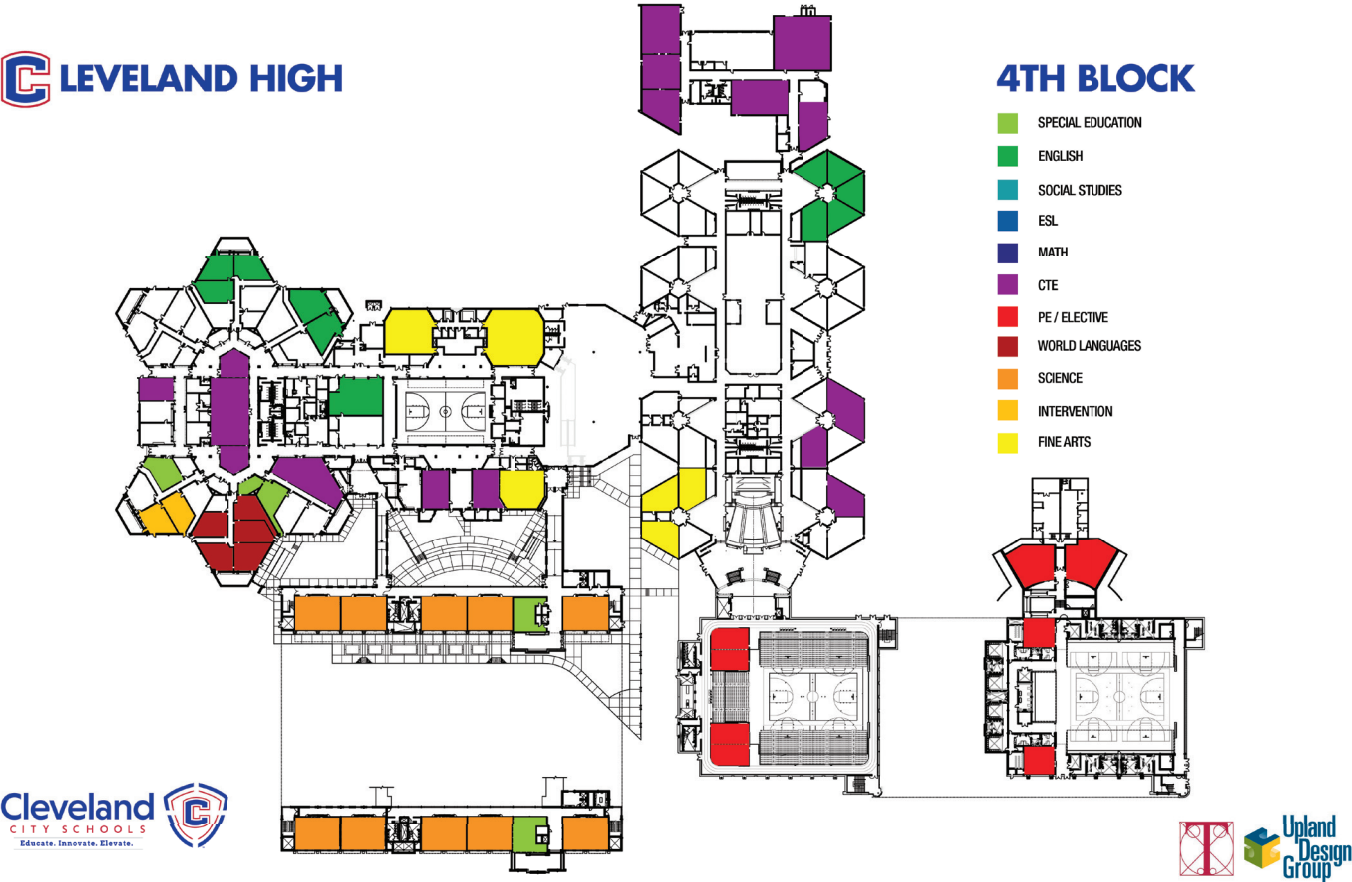
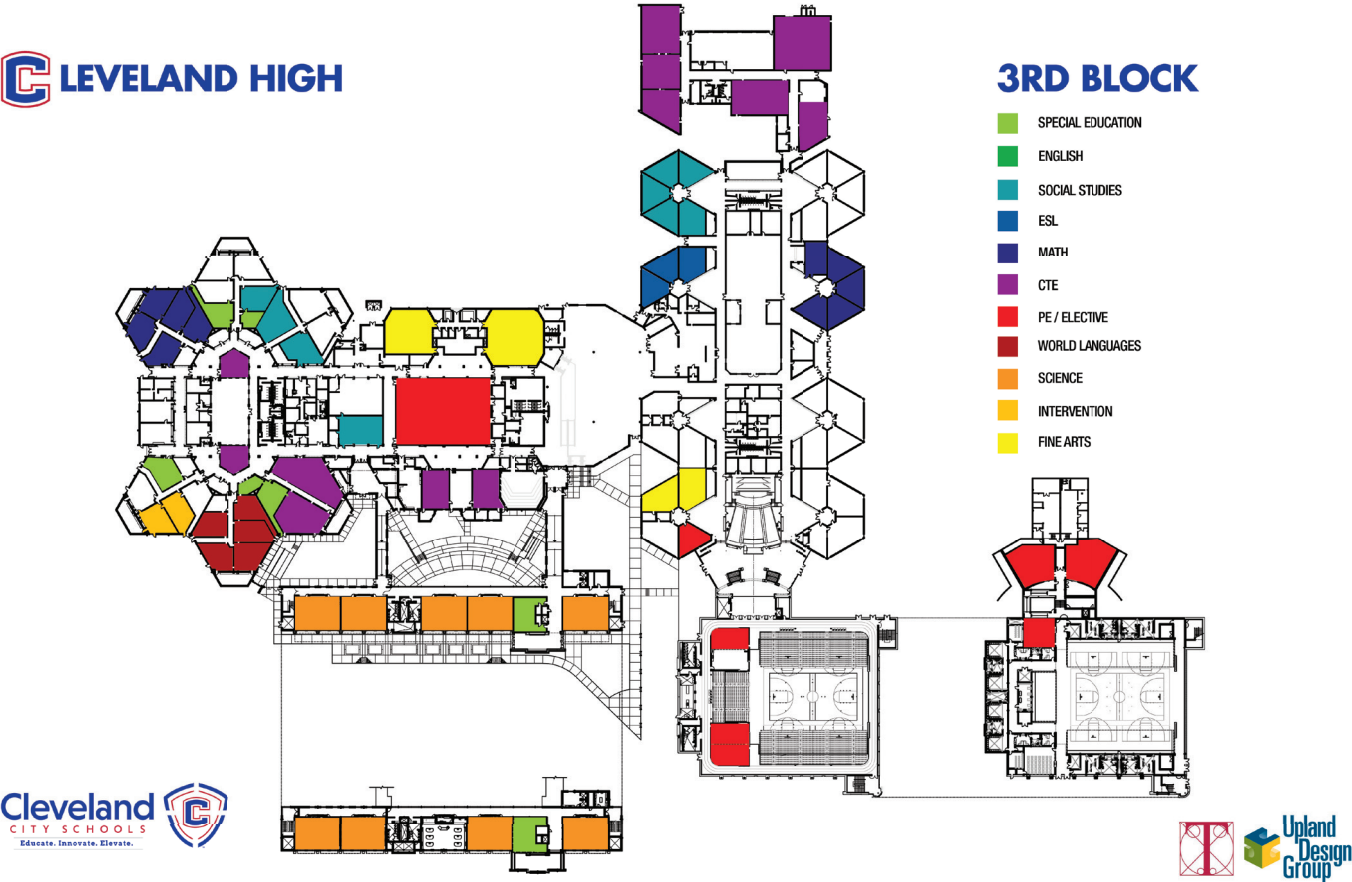
CLEVELAND HIGH



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CLEVELAND HIGH Block Scheduling Diagrams



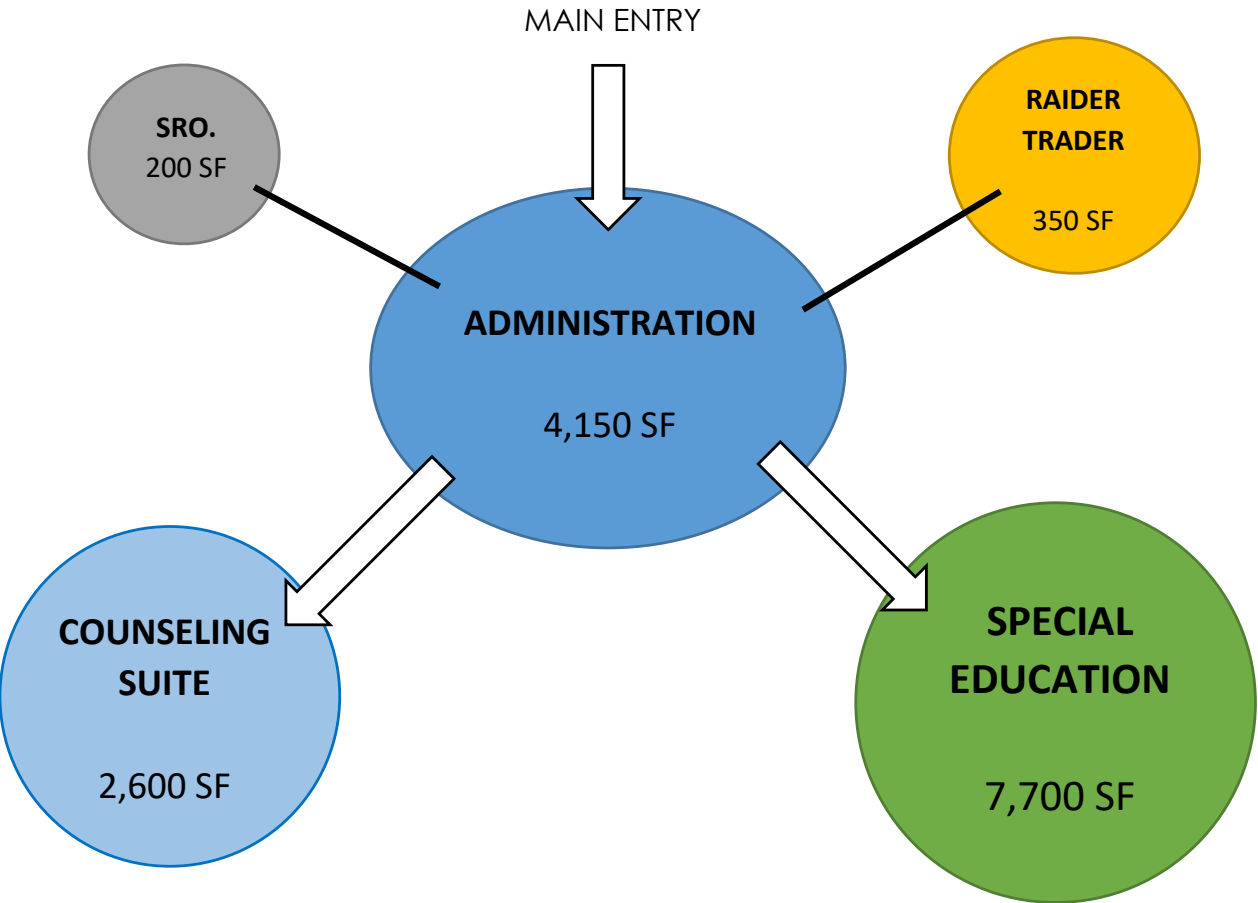
CLEVELAND HIGH Program Analysis

Category	Subject	Quantity	Number of Teaching Stations	Students per Teaching Station	Building Capacity	Student Utilization @80%	Program Capacity	Room Size	Area (sf.)	Adjacency
Administration	Secured Foyer	1						300	300	
Administration	Reception/Waiting	1						400	400	
Administration	Central Office	1						750	750	
Administration	Conference Room	1						500	500	
Administration	Principal's Office & Toilet	1						300	300	
Administration	Assistant Principals Offices	5						200	1000	academic wings & P.A.E.S. Lab
Administration	Bookkeeper's Office	1						150	150	
Administration	Work/Mail Room	1						450	450	
Administration	Staff Toilets	2						150	300	
Administration	SRO Office	2						200	400	secured entries
Administration	Kitchennette	1						200	200	
Administration	General Storage	1						200	200	
Administration	Health Clinic with sick bays and toilets	1						530	530	
Business Management	Book Store (Raider Trader)	1						350	350	entry lobby
Administration	Administration Sub-Total								5830	Main Entry
Counseling Suite	Waiting/Administrative Asst.	1						400	400	
Counseling Suite	Social Worker's Office	1						200	200	
Counseling Suite	Food Pantry	1						300	300	
Counseling Suite	Record Storage	1						200	200	
Counseling Suite	Conference Room (8-10)	1						300	300	
Counseling Suite	Counselor's Office	6						200	1200	2 @ each academic wing
Counseling Suite	Counseling Suite Sub-Total								2600	Administration
ESL Suite	ESL Welcome Center	1						850	850	
ESL Suite	Offices	3						250	750	
ESL Suite	ESL Classrooms (2 Future CR)	4	4	14	56	80%	48	850	3400	2 @ each academic wing
ESL Suite	Conference	1						500	500	
ESL Suite	S.I.F.E. Classroom	1	1	14	14	80%	12	850	850	
ESL Suite	Storage Room	1						200	200	
ESL Suite	ESL Suite Sub-Total		5		70		60		6550	Administration
Special Education	P.A.E.S. Lab	1	1	30	30	80%	26	1200	1200	
Special Education	Conference Room	1						500	500	
Special Education	Toilets	2						250	500	
Special Education	ERC Rooms (2 future)	4	4	14	56	80%	48	800	3200	
Special Education	CDC Classroom w/Toilet	1	1	7	7	80%	6	1100	1100	
Special Education	Living Skills Room	1	1	7	7	80%	6	900	900	
Special Education	Sensory Rom	1						300	300	
Special Education	Special Education Sub-Total		7		100		85		7700	Administration
Core Academics	Math	14	14	30	420	80%	357	850	11900	
Core Academics	Science	12	12	30	360	80%	306	850	10200	existing to remain
Core Academics	English	14	14	30	420	80%	357	850	11900	
Core Academics	Social Studies	12	12	30	360	80%	306	850	10200	
Core Academics	World Language Classrooms	6	6	30	180	80%	153	850	5100	
Core Academics	World Language Labs w/Storage	2	2	30	60	80%	51	1300	2600	
Core Academics	Teacher Planning/Work Room (60 @60sf.)	2						1800	3600	1 @ each academic wing
Core Academics	Intervention Rooms in both wings (3 ea.)	6	6	10	60	80%	51	400	2400	core academics
Core Academics	Core Academics Sub-Total		66		1860		1581		57900	
Art	Art Studio	3	3	30	90	80%	77	900	2700	
Art	Art Storge	3						100	300	
Art	Art Kiln	2						100	200	
Art	Maker Space	1	1	35	35	80%	30	1700	1700	
Art Department	Art Department Sub-Total		4		125		106		4900	Outdoor Court Yard
Band	Large Rehearsal Room (250)	1	1	250	250	80%	213	5000	5000	
Band	Small Reheral Room (100)	1	1	100	100	80%	85	2000	2000	
Band	Uniform Storage	1						300	300	
Band	Instrument Storage	1						700	700	
Band	Instrument Repair	1						200	200	
Band	Practice Rooms (6)	6						50	300	
Band	Office	1						120	120	
Band	Library	1						80	80	
Band	Band Sub-Total		2		350		298		8700	Theater/Choral
Choral	Performance Room	1	1	60	60	80%	51	1200	1200	
Choral	Classroom	1	1	30	30	80%	26	850	850	
Choral	Office	1						120	120	
Choral	Library	1						80	80	
Choral	Storage	1						120	120	
Choral	Dressing Rooms	2						150	300	
Choral	Costumes	1						250	250	
Choral	Choral Sub-Total		2		90		77		2920	Theater/Band
Theater	Theater (750 seats)	1						7500	7500	
Theater	Orchestra Pit (100 seats))	1						1000	1000	
Theater	Stage with side wings	1						3500	3500	
Theater	Dressing Rooms/Tit.	2						250	500	
Theater	Piano Storage	1						300	300	
Theater	Prop Storage	1						500	500	
Theater	Lobby	1						1500	1500	
Theater	Public Toilets	2						600	1200	
Theater	Concessions/Tickets	1						300	300	
Theater	Theater (Green) Room	1	1	30	30	80%	26	850	850	
Theater	Theater Department Sub-Total		1		30		26		17150	Band/Choral

Category	Subject	Quantity	Number of Teaching Stations	Students per Teaching Station	Building Capacity	Student Utilization @80%	Program Capacity	Room Size	Area (sf.)	Adjacency
Physical Education/ Wellness	Gymnasium	1	1	60	60	80%	48		0	Existing TBD
Physical Education/ Wellness	Gym Storage	1							0	Existing TBD
Physical Education/ Wellness	Equipment Storage	1							0	Existing TBD
Physical Education/ Wellness	Lobby	1							0	Existing TBD
Physical Education/ Wellness	Concessions	1							0	Existing TBD
Physical Education/ Wellness	Boys Team Dressing & Toilets	1							0	Existing TBD
Physical Education/ Wellness	Boys PE Dressing & Toilets	1							0	Existing TBD
Physical Education/ Wellness	Girls Team Dressing & Toilets	1							0	Existing TBD
Physical Education/ Wellness	Girls PE Dressing & Toilets	1							0	Existing TBD
Physical Education/ Wellness	Volley Ball Aux. Gym	1	1	30	30	80%	24	6900	6900	Existing TBD
Physical Education/ Wellness	Weightroom / Fitness	1	1	26	26	80%	21		0	Existing TBD
Physical Education/ Wellness	Wellness Classroom	10	10	30	300	80%	240	800	8000	Existing TBD
Physical Education/ Wellness	PE Office & Storge	2							0	Existing TBD
Physical Education/Wellness	Wellness / PE / Elective Sub-Total		13		416		333		14900	Existing Gymnasium
Food Service	Kitchen	1						7500	7500	TBD
Food Service	Serving	1						3000	3000	TBD
Food Service	Dining (1,000 @15 sf/per.)	1						15000	15000	TBD
Food Service	Food Service Sub-Total								25500	Service Drive
RBA	Classrooms	4	4	10	40	80%	34	850	3400	
RBA	Conference Room	1						300	300	
RBA	Assistant Principal	1						200	200	
RBA	Sensory Room	1						300	300	
RBA	Toilets	2						60	120	
RBA	RBA Sub-Total		4		40		34		4320	TBD
CTE PROGRAMS:										
Auto Shop /Class	Classroom	1	1	25	25	80%	21	1600	1600	
Auto Shop /Class	Shop	1	1	25	25	80%	21	3200	3200	Service Drive
Auto Shop /Class	Storage	1						600	600	
Auto Shop /Class	Auto Shop /Class Sub-Total		2		50		43		5400	
Aviation	Classroom/Lab	1	1	25	25	80%	21	2000	2000	
Business Management	Classroom/Lab	1	1	25	25	80%	21	1300	1300	Raider Trader Store
Criminal Justice	Court Room/Jail	1	1	25	25	80%	21	1200	1200	
Criminal Justice	Classrooms	2	2	25	50	80%	43	850	1700	
Criminal Justice	Criminal Justice Sub-Total		3		75		64		2900	
Culinary Arts	Classroom	1	1	25	25	85%	21	1400	1400	
Culinary Arts	Prep Area	1						1400	1400	
Culinary Arts	Kitchen	1						1400	1400	Food Service/Dining
Culinary Arts	Culinary Arts Sub-Total		1		25		21		4200	
Digital Media	Digital Media Studio w/secured entry	1						1100	1100	
Digital Media	Digital Media Control Room	1						500	500	
Digital Media	Digital Media Audio Room	1						150	150	
Digital Media	Digital Media Classroom	1	1	25	25	80%	21	1200	1200	
Digital Media	Digital Arts Storage	1						300	300	
Digital Media	Digital/Media Sub-Total		1		25		21		3250	
Graphic Design	Graphic Design Lab	2	2	25	50	80%	43	1275	2550	
Graphic Design	Graphic Design Classroom	1	1	25	25	80%	21	850	850	
Graphic Design	Graphic Design Sub-Total		3		75		64		3400	
Engineering /Architecture	Classroom/Lab with Storage	1	1	25	25	80%	21	2200	2200	Robotics/Welding
Health Science Classrooms /Labs	Pharmacy	1	1	25	25	80%	21	1400	1400	
Health Science Classrooms /Labs	Emergency Medical	1	1	25	25	80%	21	1400	1400	
Health Science Classrooms /Labs	Sport Medical	1	1	25	25	80%	21	1400	1400	
Health Science Classrooms /Labs	Diagnostics	1	1	25	25	80%	21	1400	1400	
Health Science Classrooms /Labs	Medical Therapeutics	1	1	25	25	80%	21	1400	1400	
Health Science	Health Science Sub-Total		5		125		106		7000	
IT Shop	IT Shop	1	1	25	25	80%	21	1200	1200	
JROTC	Class Drill	1	1	25	25	80%	21	3000	3000	
JROTC	Uniform Storage	1		25	0	80%	0	400	400	
JROTC	Secured Rifle Storage	1		25	0	80%	0	400	400	
JROTC	JROTC Sub-Total	1	2	25	50		43	3000	3000	
Manufacturing Shop	Manufacturing Shop	1	1	25	25	80%	21	6000	6000	
Welding Shop and Tank Room	Welding Shop and Tank Room	1	1	25	25	80%	21	3200	3200	Robotics
Robotics	Robotics	1	1	25	25	80%	21	2000	2000	Engineer'g/Arch.
CTE	CTE Sub-Total		29		600	80%	510		57800	
Program Totals	Program Totals		133		3641		3108		216770	Includes RBA
Future	Animal Sciences Classroom /Lab	1	1	25	25	85%	21	1200	1200	Health Science
Future	Teaching as a Profession	1	1	25	25	85%	21	850	850	TBD
Future	Heavy Equipment Operation	1	1	25	25	85%	21	3000	3000	TBD
Future	HVAC/ Plumbing	1	1	25	25	85%	21	3000	3000	TBD
Future	CAPS/ Professional Learning	1	1	25	25	85%	21	1500	1500	40 people
Future	Future Sub-Total		5		125		106		9550	

CLEVELAND HIGH
SPACE RELATIONSHIP
DIAGRAMS

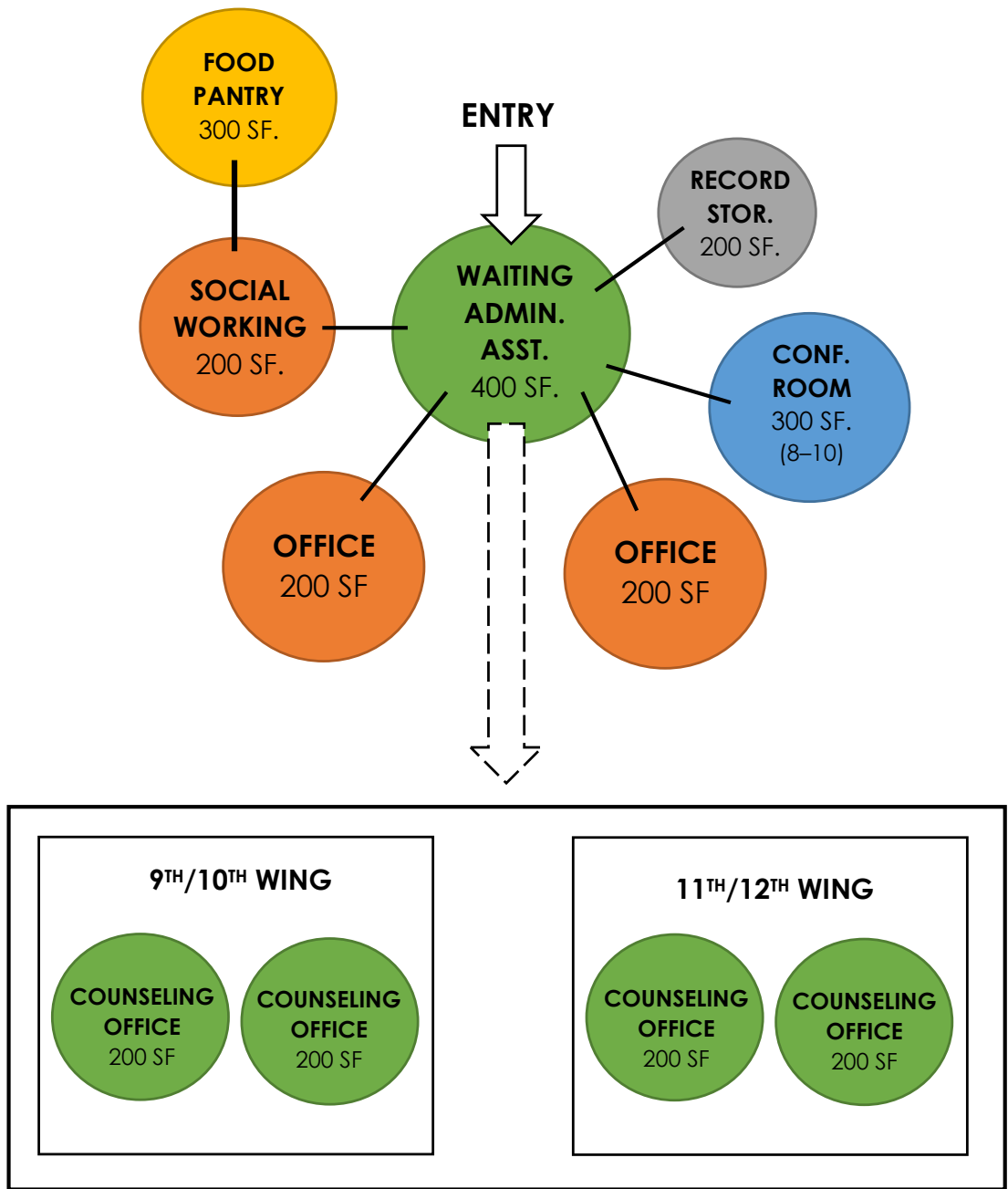
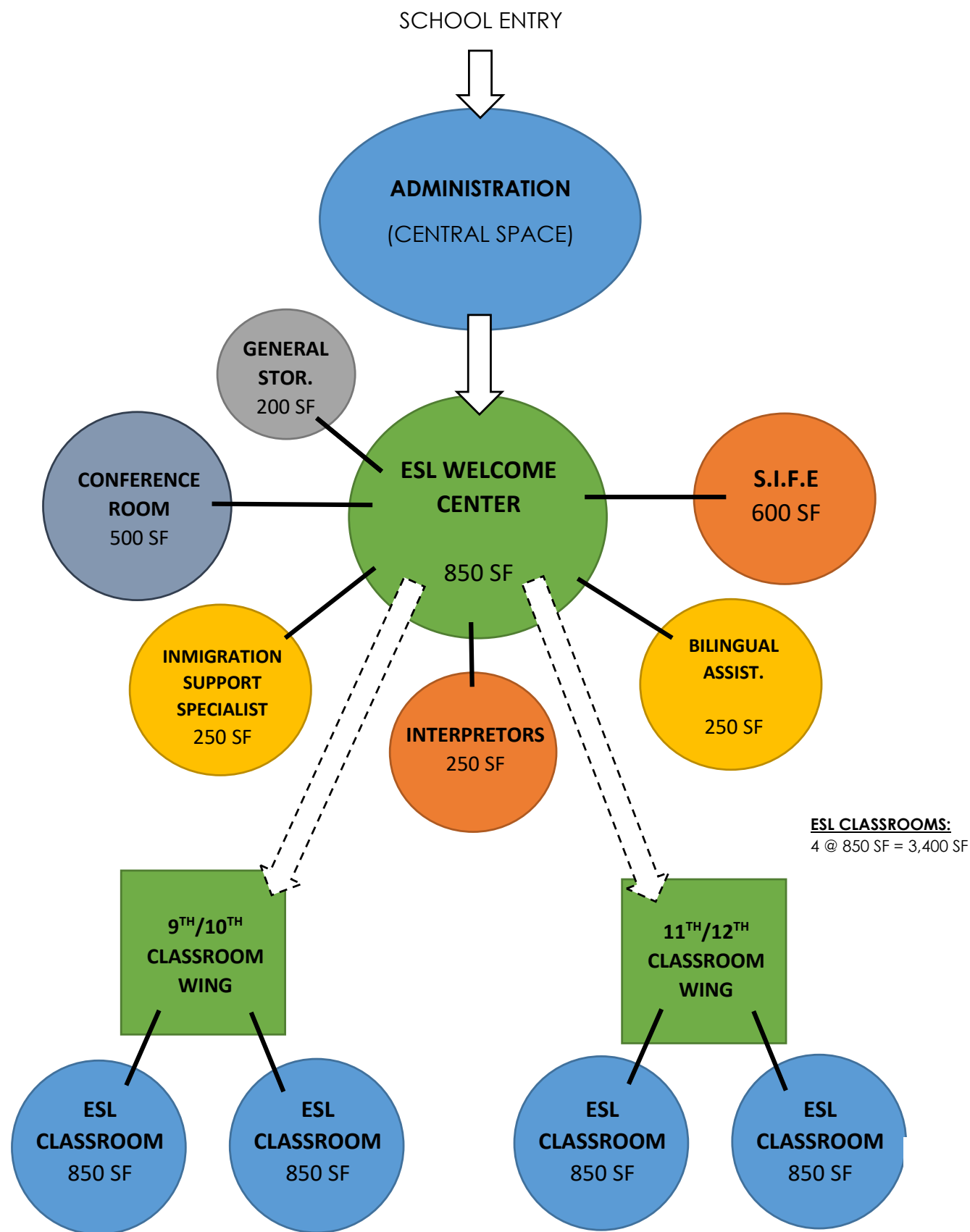
CENTRALIZED FUNCTIONS (10,650 SF)



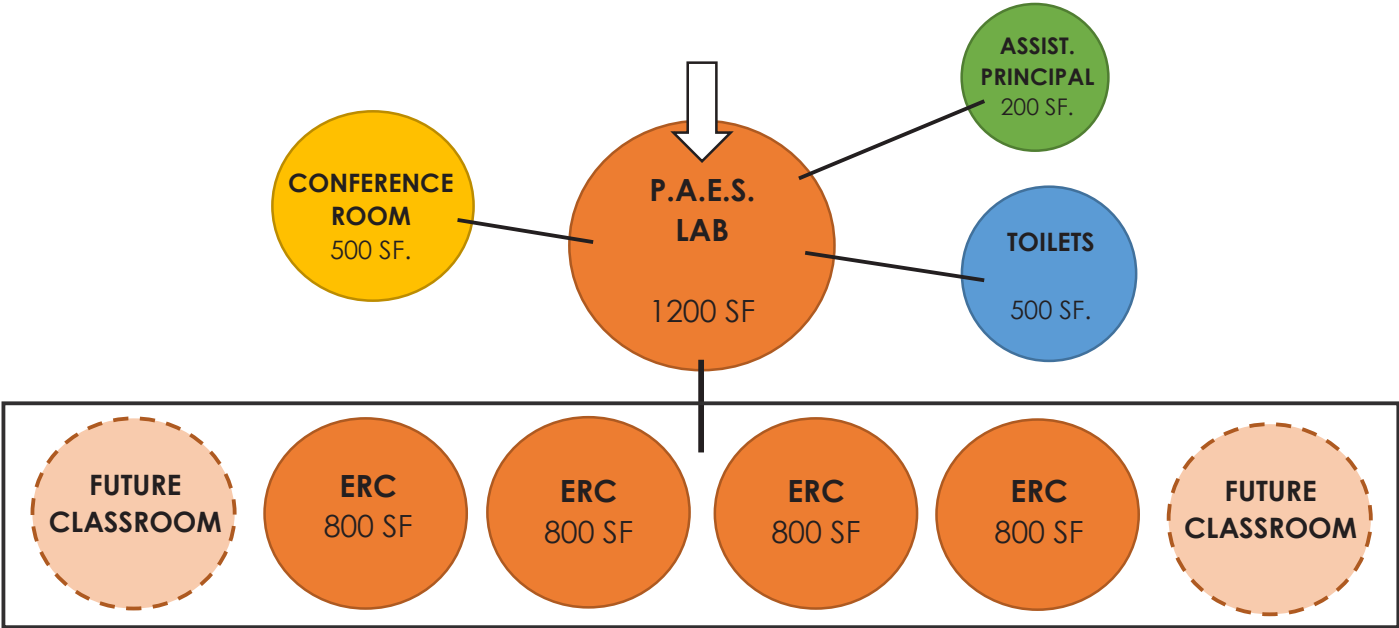
ESL PROGRAM ANALYSIS (2,800 SF)

COUNSELING PROGRAM ANALYSIS (2,600 SF)

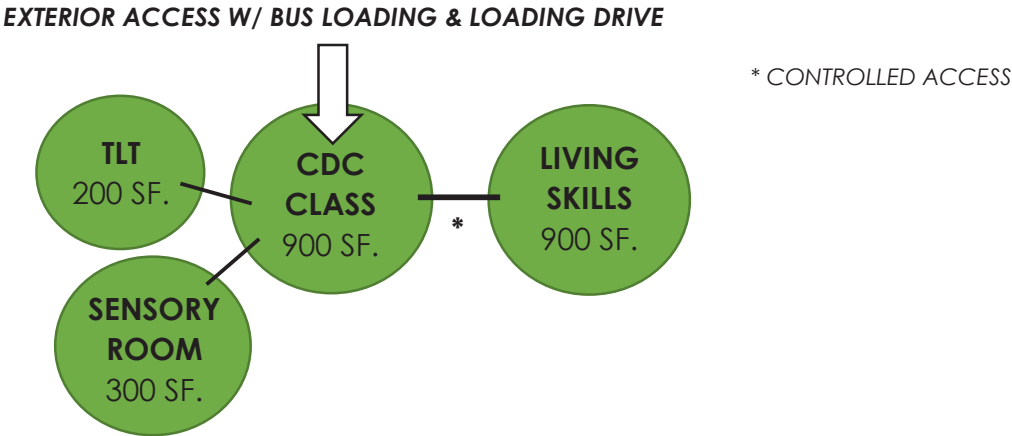
* 4 CLASSROOMS IN ACADEMIC WINGS OR



P.A.E.S PROGRAM ANALYSIS (5,600 SF)

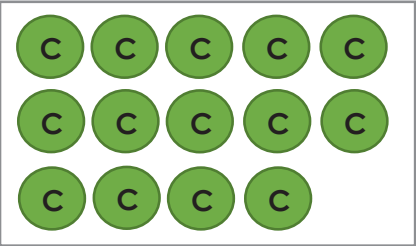


SPECIAL ED. PROGRAM ANALYSIS (2,300 SF)



ACADEMIC PROGRAM ANALYSIS (51,900 SF)

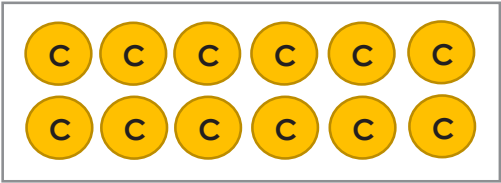
MATH:



14 @ 850 SF = 11,900 SF

BUILDING CAPACITY: 14 CLASSROOMS @ 30 STUDENTS = 420 STUDENTS
PROGRAM CAPACITY: 14 CLASSROOMS @ 26 STUDENTS = 364 STUDENTS

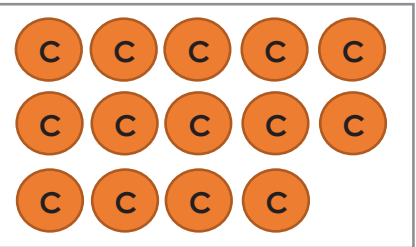
SCIENCE:



12 @ 850 SF = 10,200 SF

BUILDING CAPACITY: 12 CLASSROOMS @ 30 STUDENTS = 360 STUDENTS
PROGRAM CAPACITY: 12 CLASSROOMS @ 26 STUDENTS = 312 STUDENTS
"FIXED LOCATION"

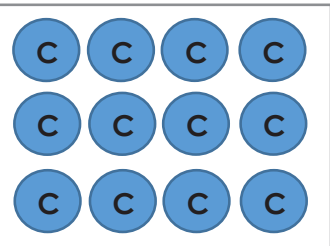
ENGLISH:



14 @ 850 SF = 11,900 SF

BUILDING CAPACITY: 14 CLASSROOMS @ 30 STUDENTS = 420 STUDENTS
PROGRAM CAPACITY: 14 CLASSROOMS @ 26 STUDENTS = 364 STUDENTS

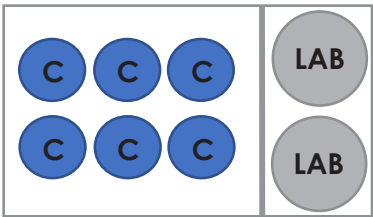
SOCIAL STUDIES:



12 @ 850 SF = 10,200 SF

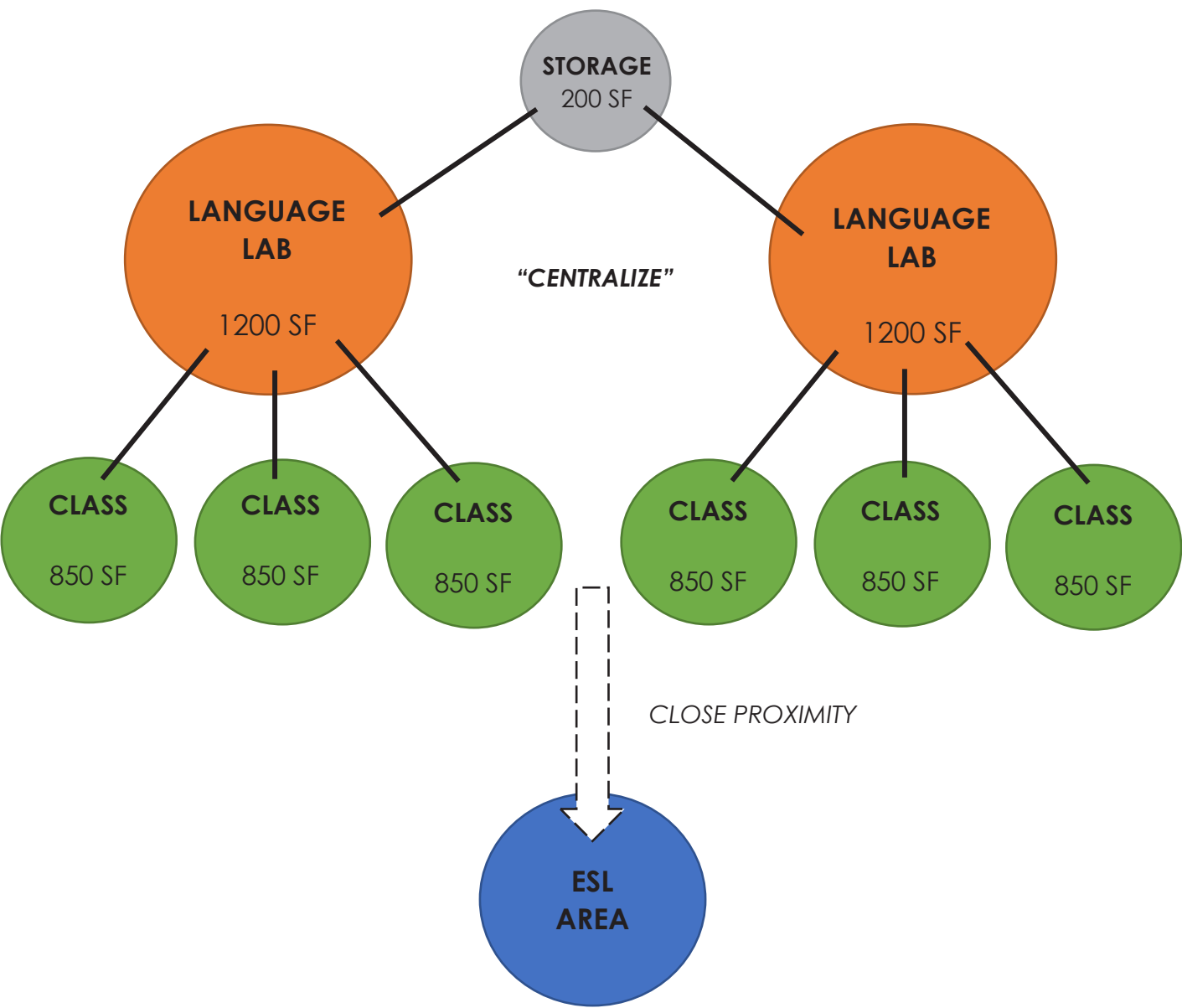
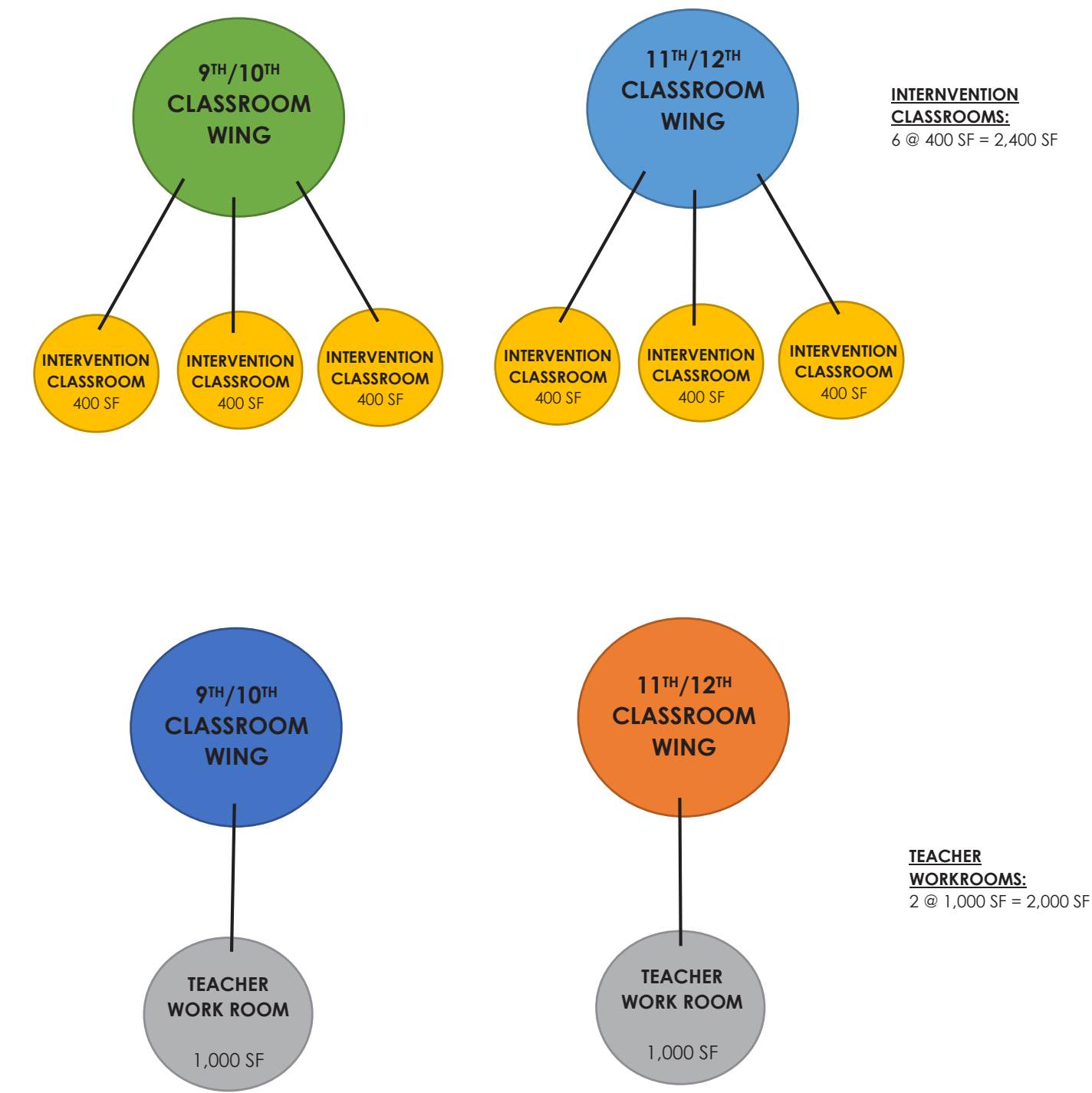
BUILDING CAPACITY: 12 CLASSROOMS @ 30 STUDENTS = 360 STUDENTS
PROGRAM CAPACITY: 12 CLASSROOMS @ 26 STUDENTS = 312 STUDENTS

WORLD LANGUAGE:

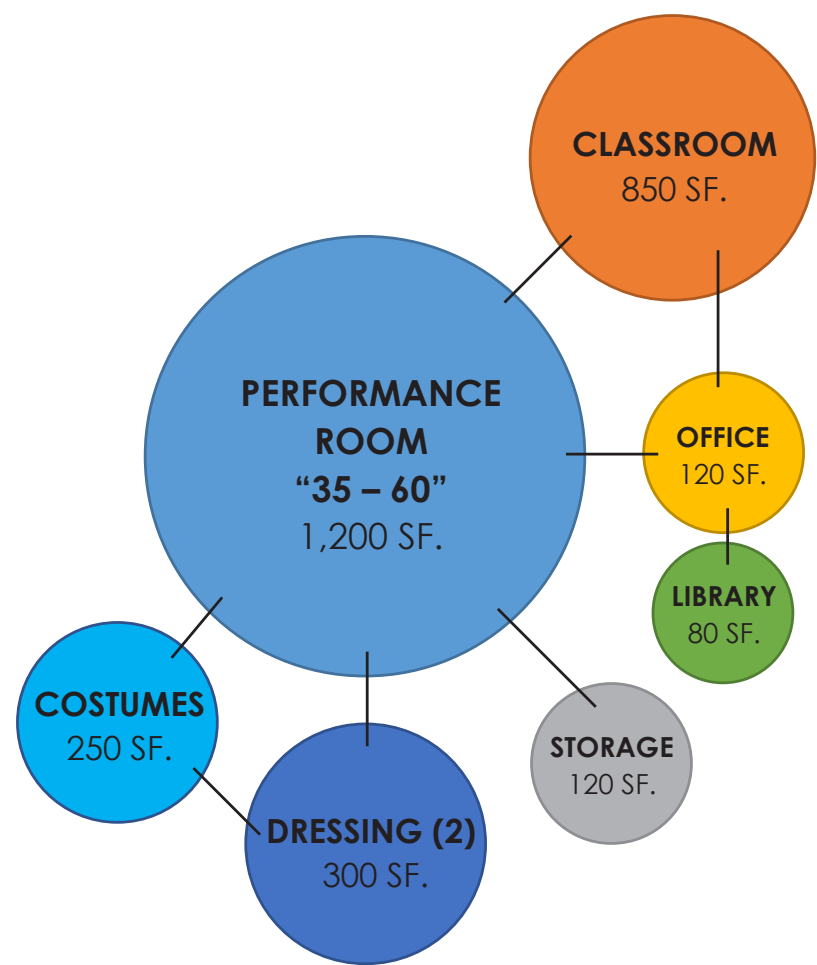


6 @ 850 SF = 5,100 SF
2 @ 1300 SF = 2,600 SF = 7,700 SF IN TOTAL

BUILDING CAPACITY: 8 CLASSROOMS/LABS @ 30 STUDENTS = 240 STUDENTS
PROGRAM CAPACITY: 8 CLASSROOMS @ 26 STUDENTS = 208 STUDENTS



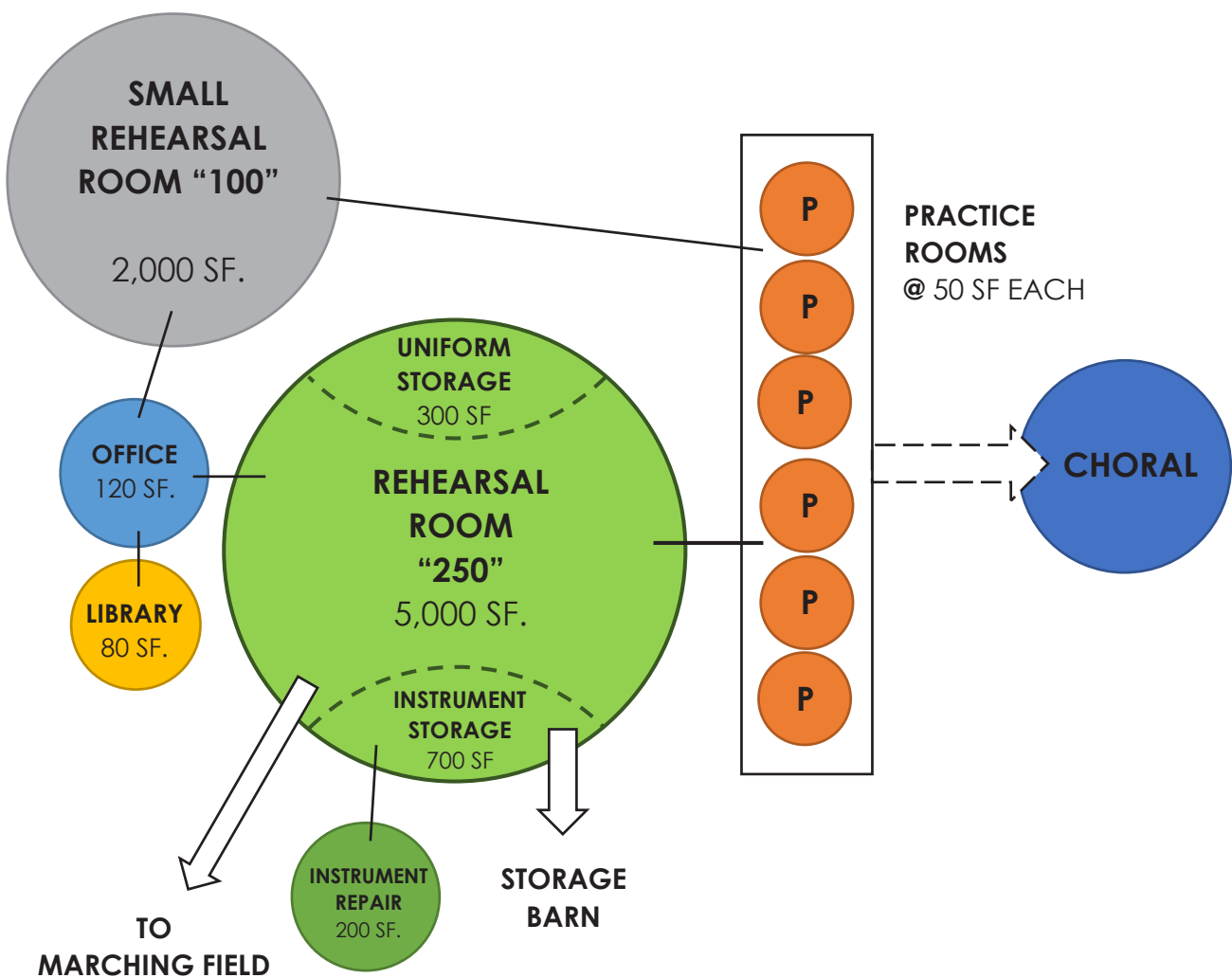
FINE ARTS - “CHORAL” PROGRAM ANALYSIS (2,900 SF)



FUTURE PROGRAMS:

- CHAMBER MUSIC
- MUSIC TECHNOLOGY
- MUSIC THEORY

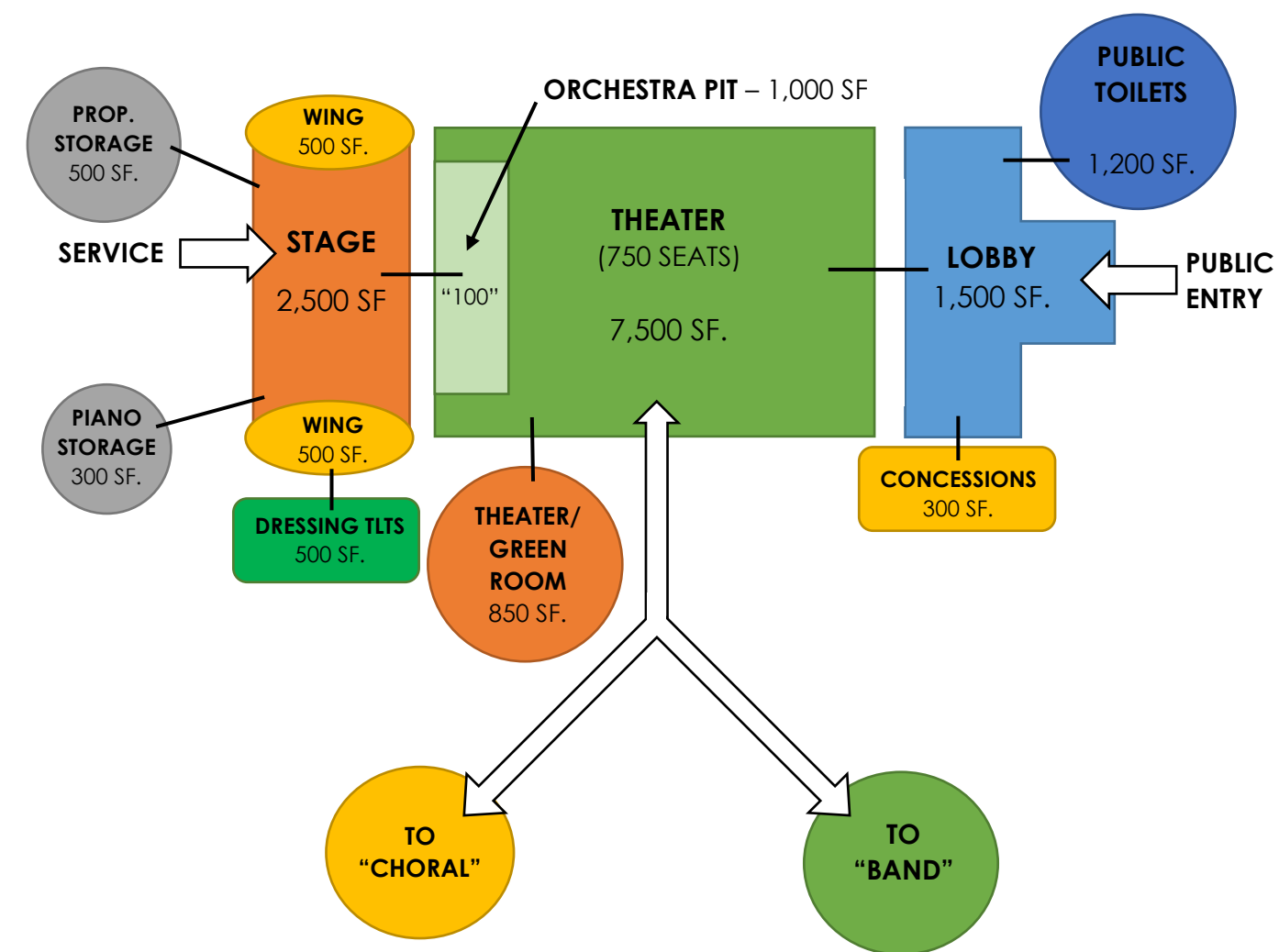
FINE ARTS - “BAND” PROGRAM ANALYSIS (8,700 SF)



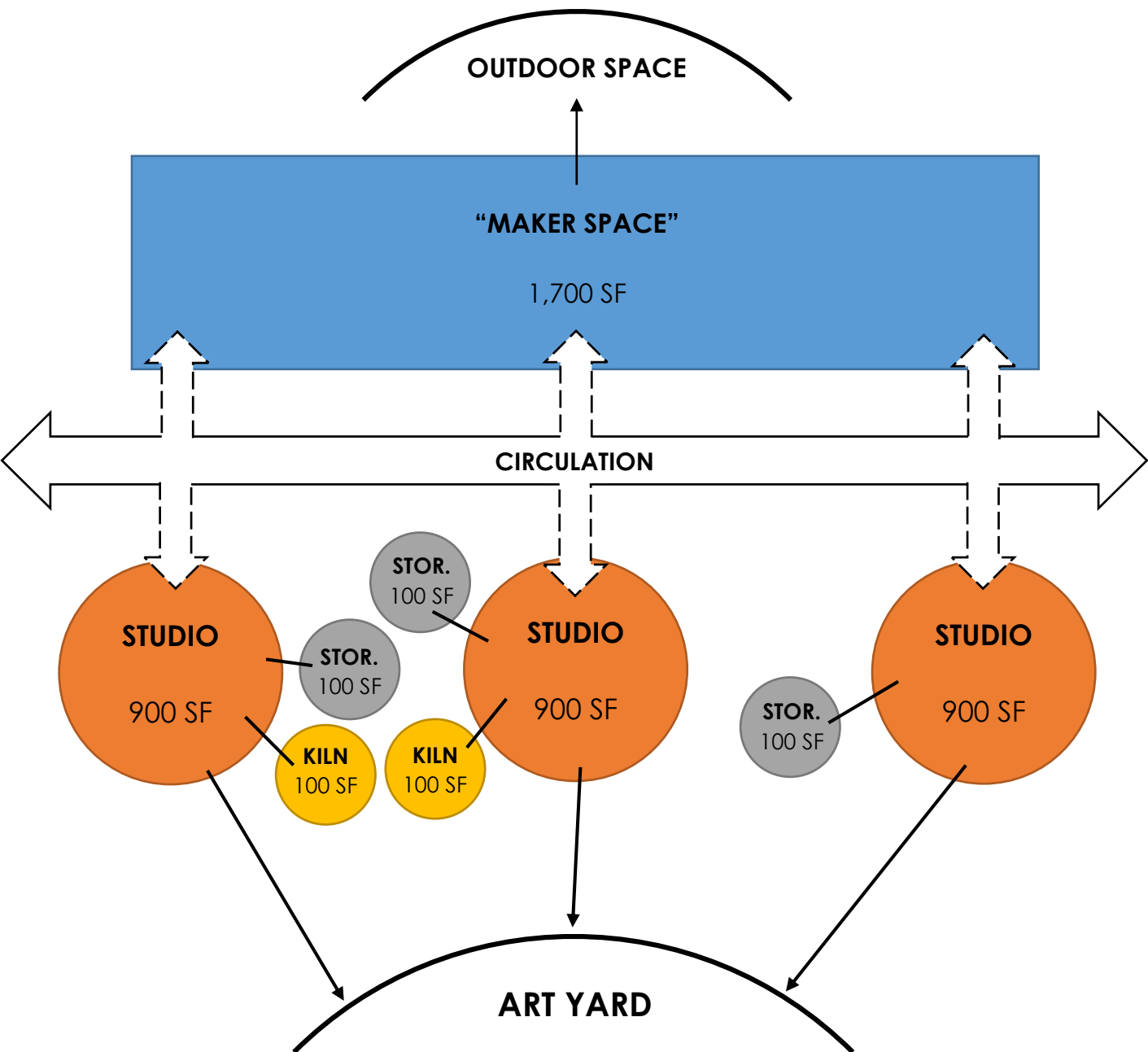
PROGRAMS:

- MARCHING BAND
- CONCERT BAND
- COLOR GUARD
- WATER GUARD
- PERCUSSION ENSEMBLE

FINE ARTS - “THEATER” PROGRAM ANALYSIS (17,150 SF)

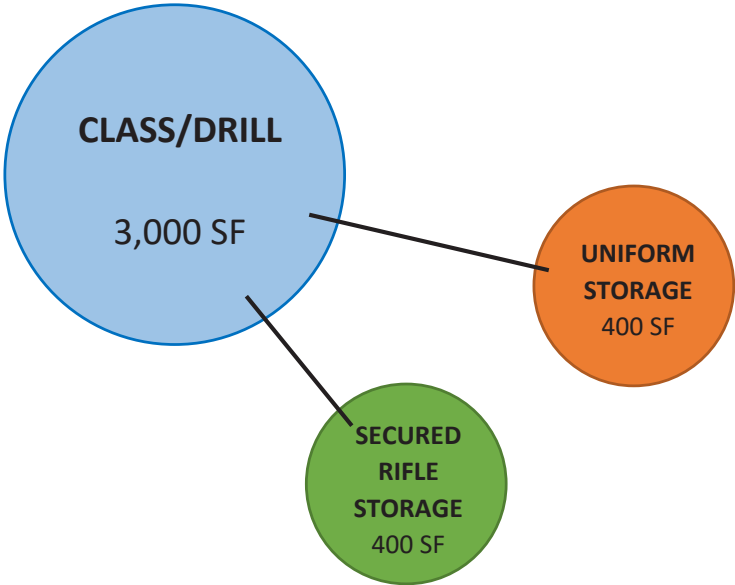
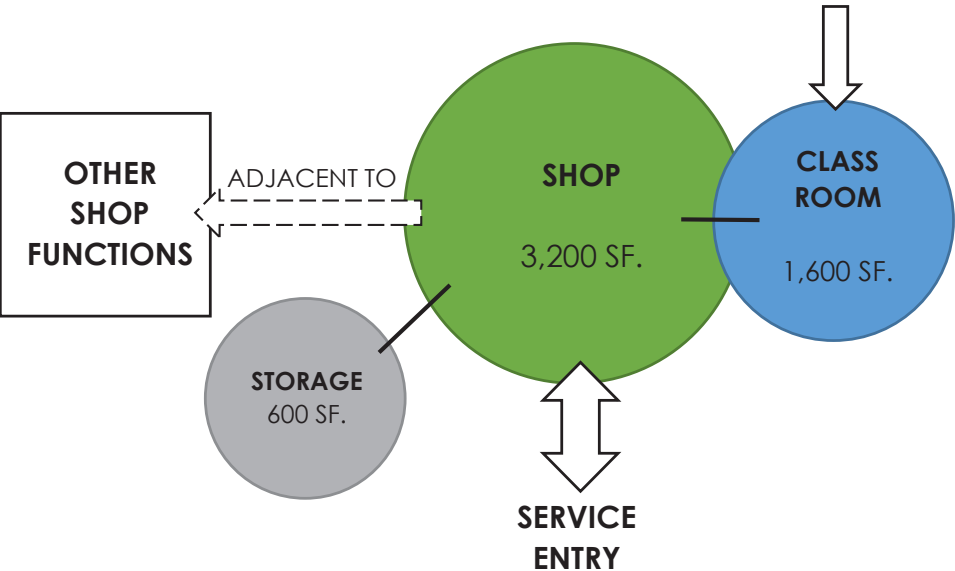


ART PROGRAM ANALYSIS (4,900 SF)



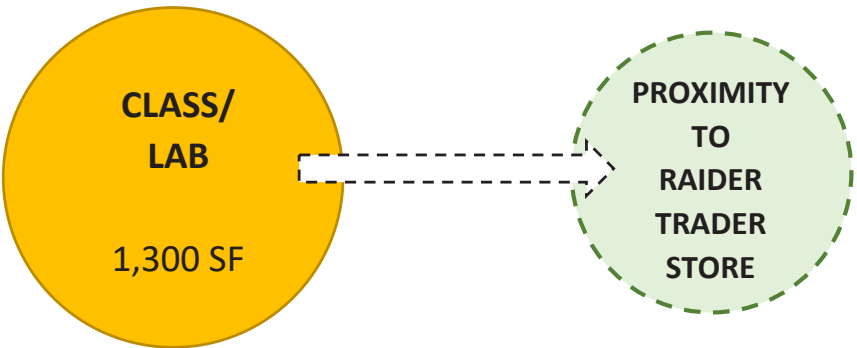
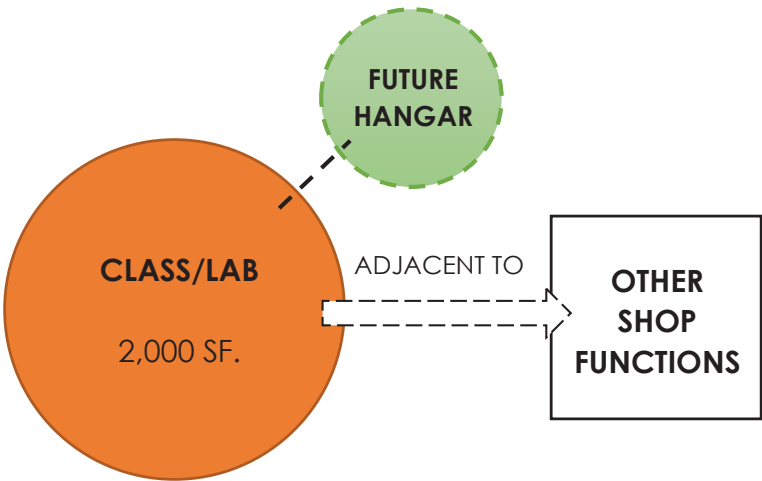
AUTO SHOP/CLASS PROGRAM ANALYSIS (5,400 SF)

JROTC PROGRAM ANALYSIS (3,000 SF)

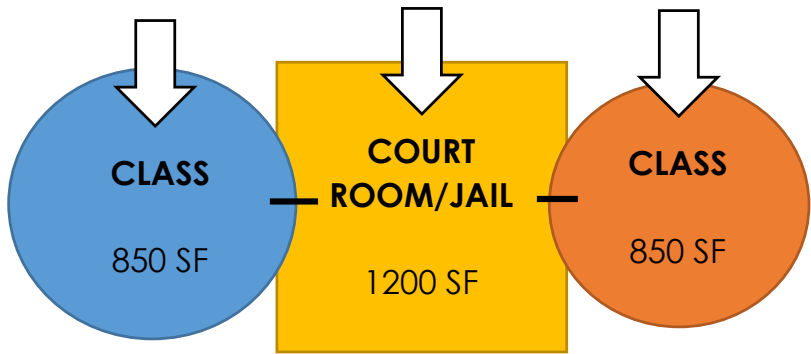


BUSINESS MANAGEMENT PROGRAM ANALYSIS (1,300 SF.)

AVIATION CLASS/LAB PROGRAM ANALYSIS (2,000 SF.)



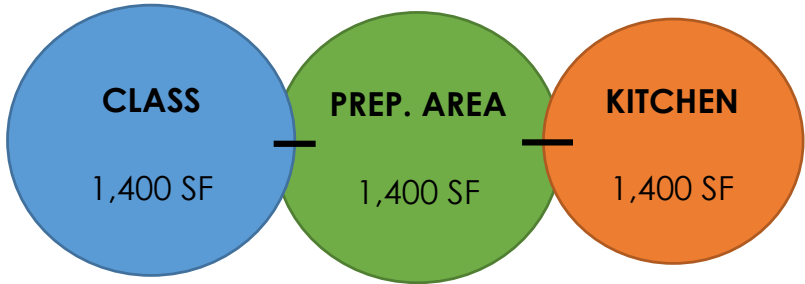
CRIMINAL JUSTICE PROGRAM ANALYSIS (2,900 SF)



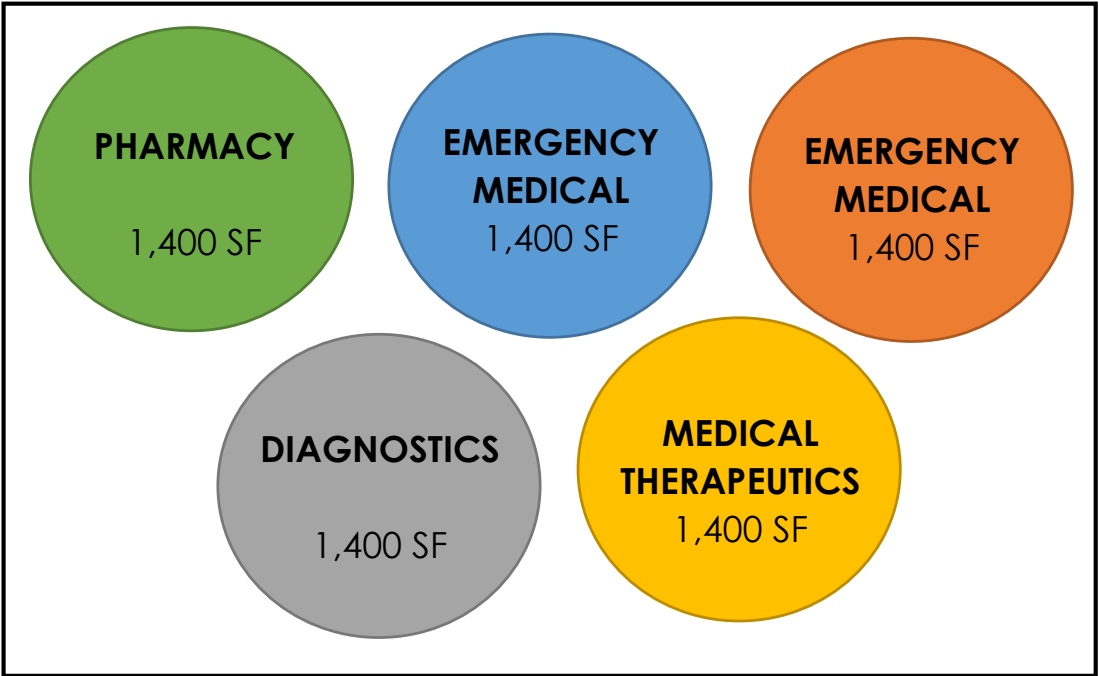
IT PROGRAM ANALYSIS (1,200 SF)



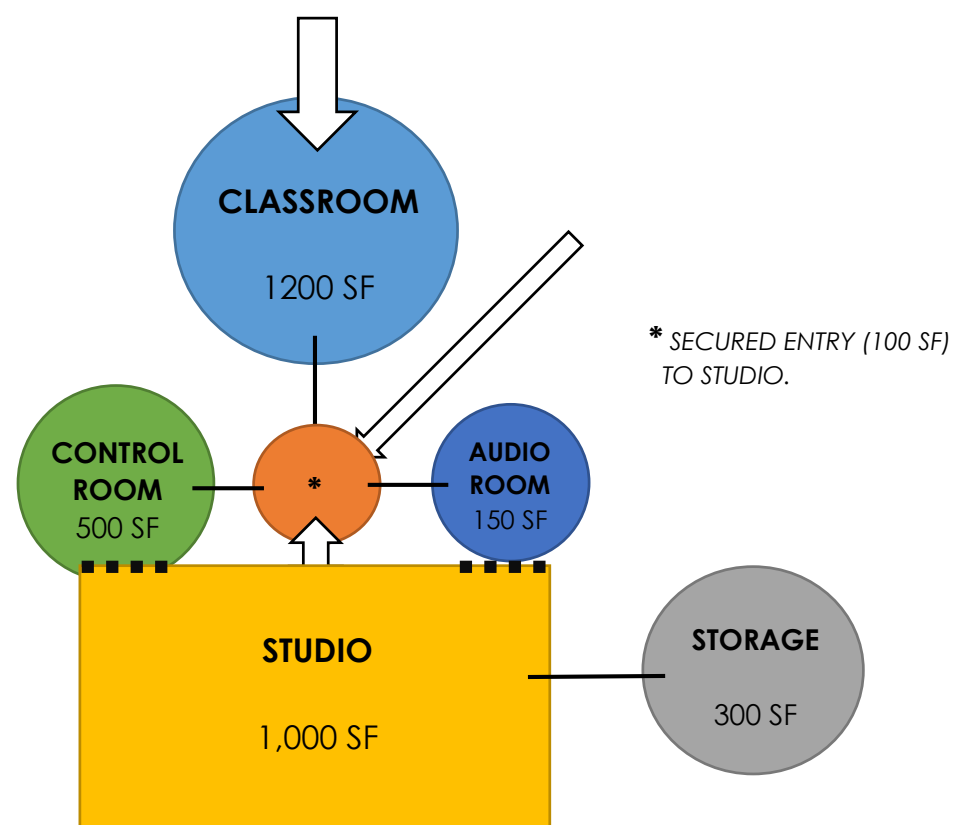
CULINARY ARTS PROGRAM ANALYSIS (4,200 SF)



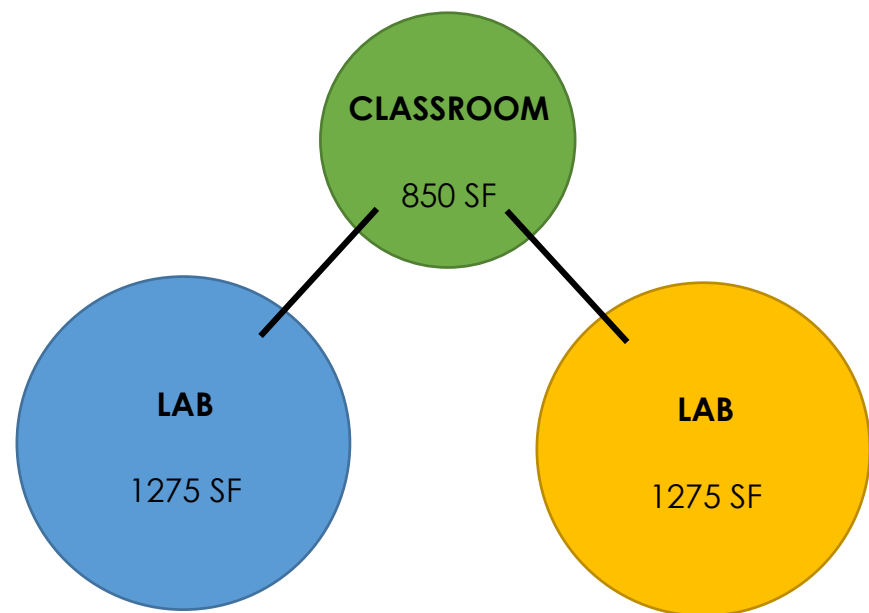
HEALTH SCIENCE PROGRAM ANALYSIS (7,000 SF)



DIGITAL MEDIA PROGRAM ANALYSIS (3,250 SF)

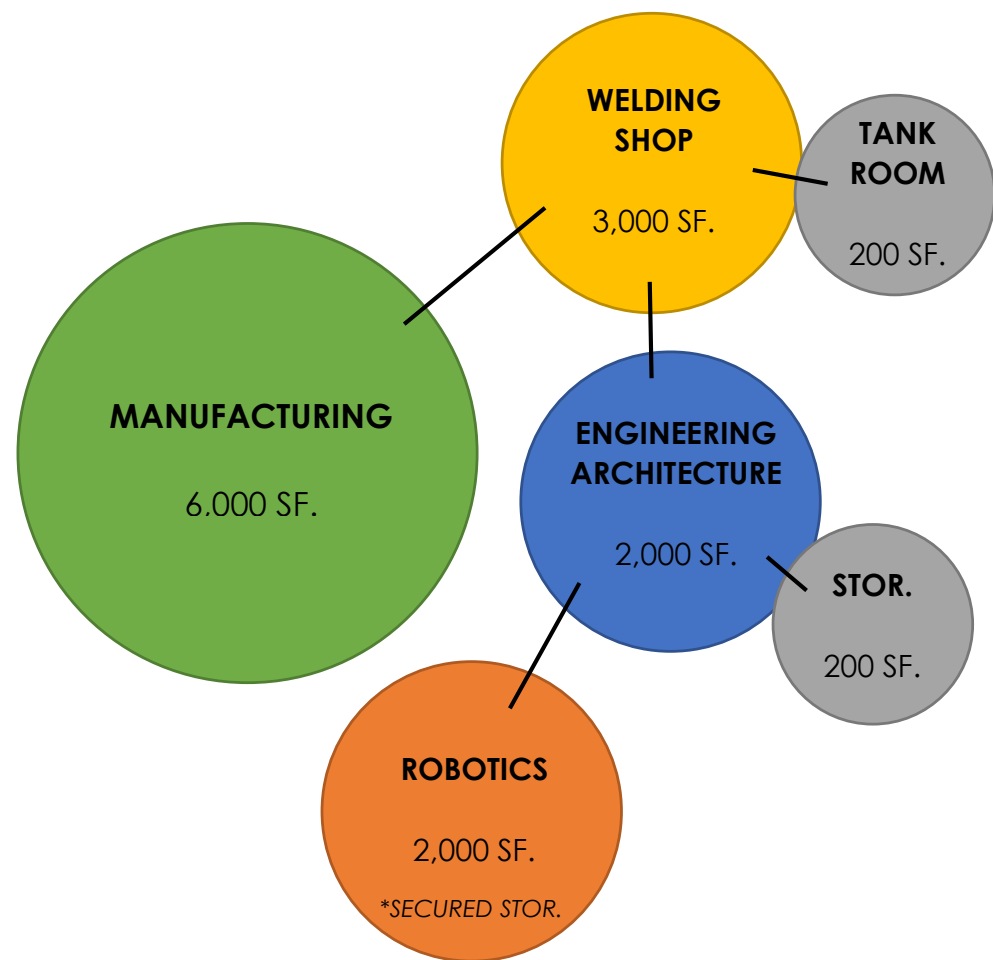


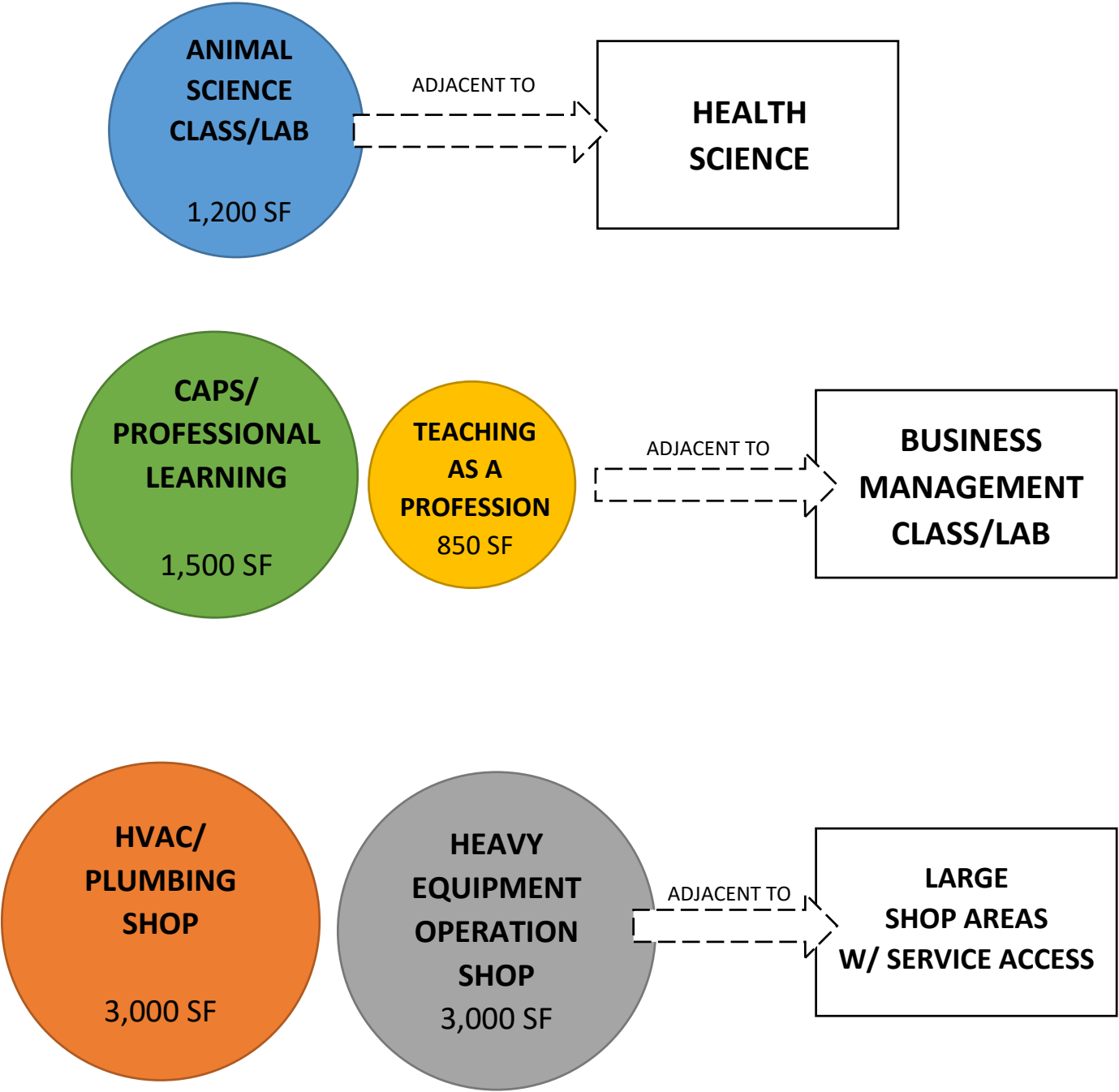
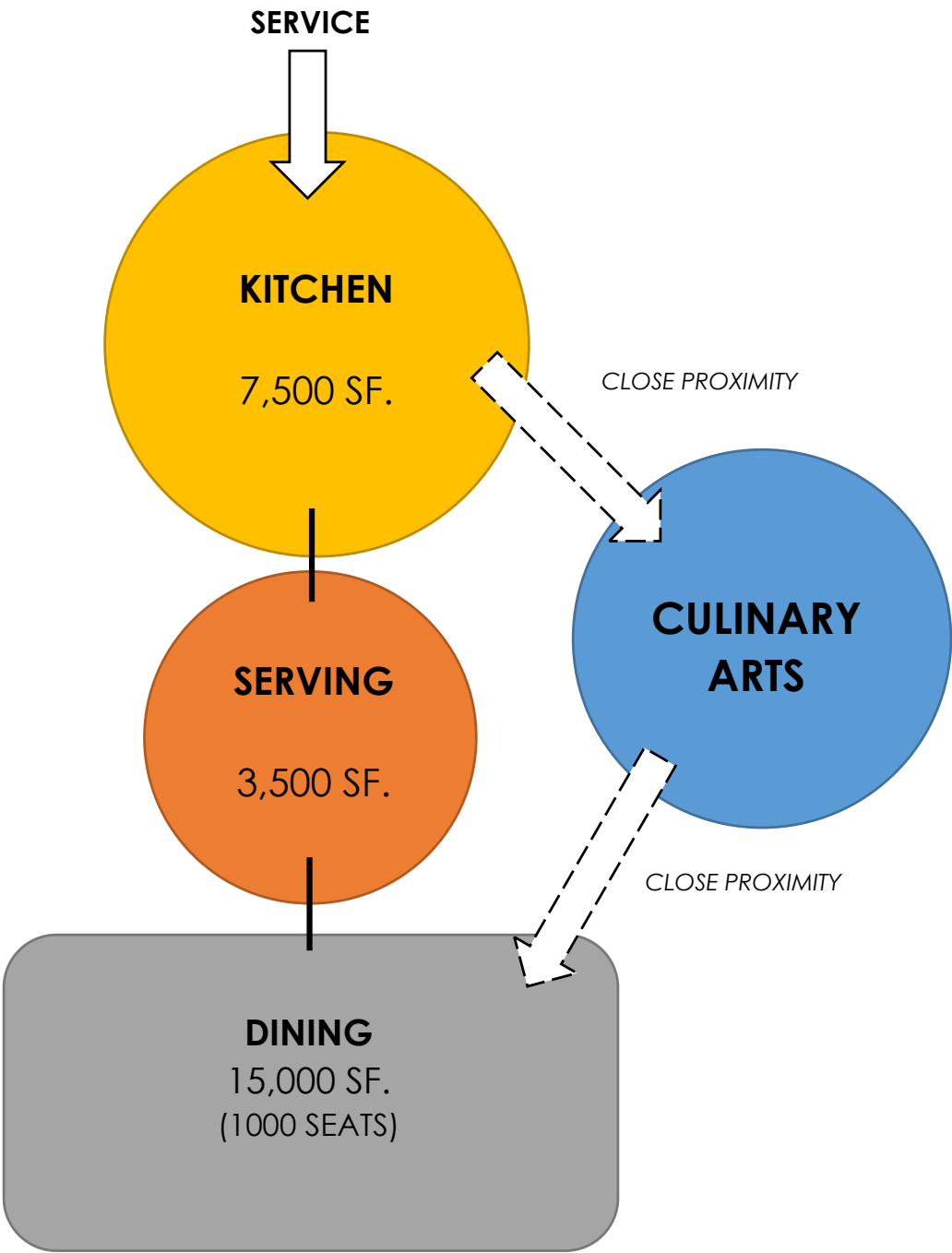
GRAPHIC DESIGN PROGRAM ANALYSIS (3,400 SF)

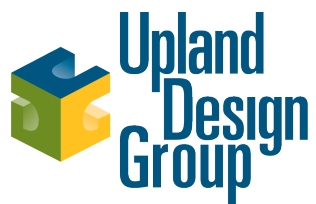


MANUFACTURING, WELDING, ROBOTICS, ENGINEERING (14,440 SF)

- MANUFACTURING SHOP/CLASSROOM (7,000 SF)
- WELDING SHOP/TANK ROOM (3,200 SF)
- ROBOTICS (2,000 SF)
- ENGINEERING/ARCHITECTURE (2,200 SF)







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