## School Facilities and Enrollment Planning Study

Bowen, Burr, Mason-Rice, Memorial-Spaulding, Peirce, Underwood, Ward & Williams, Elementary Schools

March 4, 2024



## School Facilities and Enrollment Planning Study 8 Elementary Schools

- The intent of the Study is to collect information/data on space utilization & building conditions to help inform long-range enrollment and facilities planning
- Initially developed for Underwood and Ward, the Study was later expanded to include the 6 remaining elementary schools (Bowen, Burr, Mason-Rice, Memorial-Spaulding, Peirce, Williams)
- The 8 schools together represent the remaining elementary schools that have not yet received major renovation or reconstruction (either through MSBA or self-funded)
- The Study is a snapshot in time and shows current space utilization, which can change over time with fluctuations in enrollment, district-wide programming and instructional programs
- Design enrollment is based on optimal class size, not capacity. Capacity of building is based on space utilization.



### School Facilities and Enrollment Planning Study Space Utilization Take-Aways

- Peirce, Ward & Williams appear to have the most available capacity
- General Classrooms tend to be good sizes, except at Underwood & Ward
- Kindergarten tend to be good sizes, except at Bowen, Mason-Rice & Ward
- Libraries & Kitchens tend to be the more significantly undersized with Music next most
- All Schools have similar shared or missing spaces (breakout, storage, conference & support)
- Gymnasiums tend to be one-station in size
- Mason-Rice's Auditorium is also the Cafeteria, Ward's is also the Gymnasium
- All 8 schools except Burr & Underwood have Auditorium space





### School Facilities and Enrollment Planning Study Building Condition Take-Aways

#### Most in need of repair:

- Ward lack of elevator, accessibility challenges, age of school, no sprinkler system, one steam boiler is non-functional, building systems at end of life
- Underwood age of school, no sprinkler system, site constraints, accessibility challenges, gymnasium roof condition, building systems at end of life
- Peirce original oil boilers, one is non-functional, no sprinkler system, accessibility challenges & lack of full-use elevator (LULA only), building systems at end of life







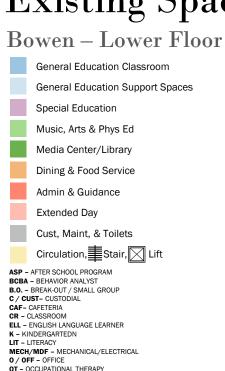




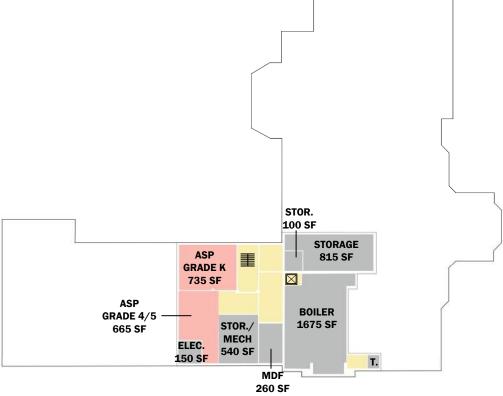
### School Space Utilization

Bowen, Burr, Mason-Rice, Memorial-Spaulding, Peirce, Underwood, Ward & Williams, Elementary Schools





CAF- CAFETERIA
CR - CLASSROOM
ELL - ENGLISH LANGUAGE LEARNER
K - KINDERGARTEDN
LIT - LITERACY
MECH/MDF - MECHANICAL/ELECTRIC
O / OFF - OFFICE
OT - OCCUPATIONAL THERAPY
PSY - PSYCHOLOGIST
S / STOR - STORAGE
SEL - SOCIAL-EMOTIONAL LEARNING
SET - SPECIAL EDUCATION TEACHING
SPCH - SPEECH & LANGUAGE
SW / SOC - SOCIAL WORKER
T - TOILET
TM - TEAM SPECIALIST



UPPER FLOOR 20,980 GSF
MAIN FLOOR 29,610 GSF
MODULARS 3,870 GSF
LOWER FLOOR 6,970 GSF
61,430 GSF





#### Bowen – Main Floor

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust. Maint. & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM
BBCBA - BEHAVIOR ANALYST
B.O. - BREAK-OUT / SMALL GROUP
C / CUST- CUSTODIAL
CAF- CAFETERIA
CR - CLASSROOM

ELL - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

O / OFF - OFFICE

OT - OCCUPATIONAL THERAPY

PSY - PSYCHOLOGIST S / STOR - STORAGE

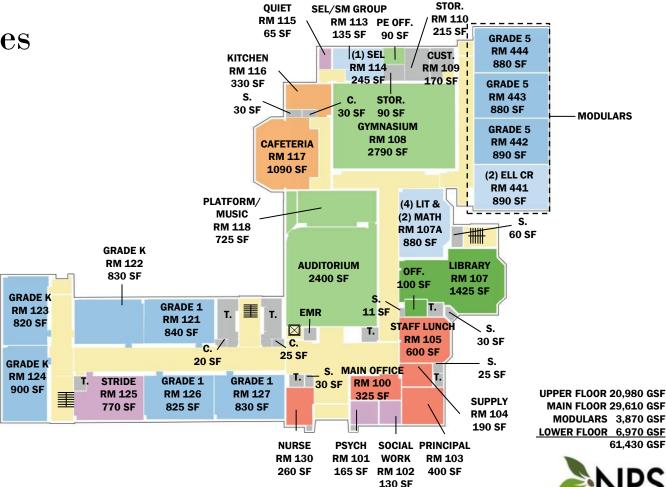
SEL - SOCIAL-EMOTIONAL LEARNING

SP.ED.TCH - SPECIAL EDUCATION TEACHING

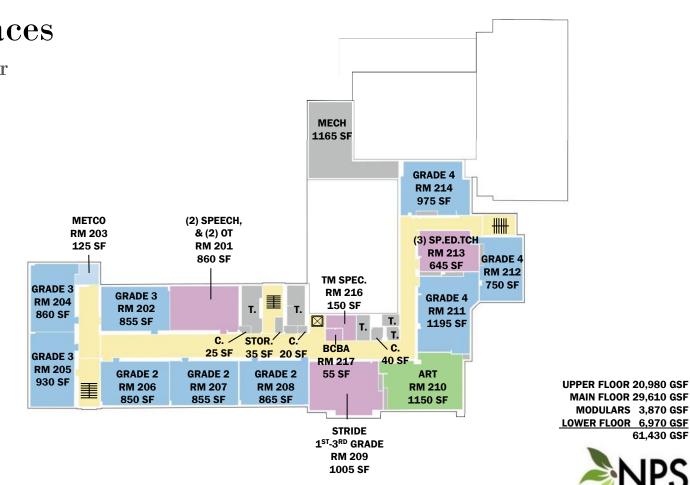
SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET





#### **Existing Spaces** $Bowen-Upper\ Floor$ General Education Classroom **General Education Support Spaces** Special Education Music, Arts & Phys Ed Media Center/Library Dining & Food Service Admin & Guidance Extended Day Cust. Maint. & Toilets Circulation, Stair, Lift ASP - AFTER SCHOOL PROGRAM **BCBA** - BEHAVIOR ANALYST B.O. - BREAK-OUT / SMALL GROUP C / CUST- CUSTODIAL CAF- CAFETERIA CR - CLASSROOM ELL - ENGLISH LANGUAGE LEARNER K - KINDERGARTEDN LIT - LITERACY MECH/MDF - MECHANICAL/ELECTRICAL O / OFF - OFFICE OT - OCCUPATIONAL THERAPY PSY - PSYCHOLOGIST S / STOR - STORAGE SEL - SOCIAL-EMOTIONAL LEARNING SP.ED.TCH - SPECIAL EDUCATION TEACHING SPCH - SPEECH & LANGUAGE



61.430 GSF



T - TOILET

SW / SOC - SOCIAL WORKER

#### Bowen

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization
Kindergarten	1100	850	77%	3	51	17	66	77.3%
1-2 Classrooms		886	98%	6	122	20	132	92.1%
3-5 Classrooms	900	880	98%	6	100	20	24.6	0.4.40/
3-5 Modulars	1	883	98%	3	182	20	216	84.4%
Subtotals				18	355		414	85.7%

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	1150	115%	1	18	55	30	60.0%
Music (stage)	1200	725	60%	1	18	30	50	36.0%
Gym Stations	3000	2790	93%	1	36	30	50	72.0%
Media/Library	2533	1525	60%	1	18	35	45	40.0%

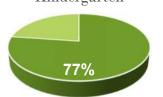
\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

Dining & Food Service							Enrollment Supported	
	10, 12		2070	1	3		218	162.8%
Cafeteria	3105	1090	1553	1	4		291	122.1%
Caleteria	3103	1090	1242	1	5	414	363	97.7%
	y. v.		1035	1	6		436	81.4%
Kitchen	1460	330	n/a	1	n/a		0.000	

\*Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods. Guidelines default to 2 periods

#### Classroom Size (sf) vs Guidelines





Grade 1-5 Classrooms



**98%** (886 of 900sf) 3 Modulars at 883sf

### **Shared Spaces & Missing Spaces\***

vs NPS Educational Program (at 18 Classrooms)

- (6) Lit/Math in 1 Room
- (3) Sp. Educ. in 1 Room
- (2) OT/PT with Speech
- Music Uses the Stage

#### Other Spaces

- +2 District-Wide Sp.Ed CRs
- + Auditorium
- + ASP Specific Rooms

- Break-Out Space per Grade
- Separate OT/PT Office
- Art Workroom/Storage
- Music Practice
- Gym Office/Storage
- Chair/Table Storage
- Records/Storage Room
- Conference Room
- Nursing (Lactation Room)



\*Shared or missing spaces have no separate designated space, but function is occurring in shared or creative use of space



#### Burr

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization
Kindergarten	1100	1005	91%	1	18	18	22	81.8%
K Modulars	1 1100	1148	104%	2	36	18	44	81.8%
1-2 Classrooms	000	004	1100/	6	120	20	132	91.2%
900 I-5 Classrooms	994	110%	9	181	20	216	83.6%	
Subtotals				18	355		414	85.7%

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	875	88%	1	18	55	30	60.0%
Music	1200	1025	85%	1	18	30	50	36.0%
Gym Stations	3000	3865	129%	1	36	30	50	72.0%
Media/Library	2533	1240	49%	1	18	35	45	40.0%

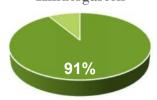
\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

			2070	1	3		737	48.2%
Cafeteria	3105	3685	1553	1	4		983	36.1%
Caleteria	3103	3003	1242	1	5	414	1228	28.9%
	v. v.		1035	1	6		1474	24.1%
Kitchen	1460	310	n/a	1	n/a		000000000000000000000000000000000000000	

<sup>\*</sup>Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods. Guidelines default to 2 periods

#### Classroom Size (sf) vs Guidelines





Grade 1-5 Classrooms



3 K Modulars at 1148sf

### **Shared Spaces & Missing Spaces\***

vs NPS Educational Program (at 18 Classrooms)

- (5) Lit. in 1 Room
- - (2) ELL, SEL & BCBA
  - share 2 Rooms

### Other Spaces

- + District Storage
- -- No Auditorium

- Break-Out Space per Grade
- (5) Special Educ, (1) OT, Separate OT/PT Office
  - Art Workroom/Storage
  - Music Practice
  - Chair/Table Storage
  - Records/Storage Room
  - Nursing (Lactation Room)



\*Shared or missing spaces have no separate designated space, but function is occurring in shared or creative use of space

#### Mason-Rice

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization
Kindergarten	1100	882	80%	3	40	13	66	60.6%
1-2 Classrooms		906	101%	6	118	20	132	89.1%
3-5 Classrooms	900	906	101%	6	170	20	216	04.70/
3-5 Modulars	5 Modulars	890	99%	3	176	20	216	81.7%
Subtotals				18	334		414	80.7%

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	1195	120%	1	18	55	30	60.0%
Music	1200	980	82%	1	18	30	50	36.0%
Gym Stations	3000	2360	79%	1	36	30	50	72.0%
Media/Library	2533	1200	47%	1	18	35	45	40.0%

\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

			2070	1	3		452	73.9%
Cafeteria	3105	2260	1553	1	4		603	55.4%
Caleteria	3103	2200	1242	1	5	414	753	44.3%
			1035	1	6		904	36.9%
Kitchen	1460	425	n/a	1	n/a		000000000000000000000000000000000000000	

<sup>\*</sup>Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods. Guidelines default to 2 periods

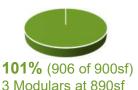
\*Shared or missing spaces have no separate designated space,

#### Classroom Size (sf) vs Guidelines





Grade 1-5 Classrooms



### **Shared Spaces & Missing Spaces\***

vs NPS Educational Program (at 18 Classrooms)

- (5) Lit. in 1 Room
- (2) Math in Small Office
- (2) ELL in Small Office
- (5) Sp. Educ & BCBA share 2 Rooms
- OT Shares a Room with Soc Work & (2) Speech

### Other Spaces

- + Auditorium
- + ASP Specific Space

- Break-Out Space per Grade
- Separate OT/PT Office
- Art Workroom/Storage
- Music Practice
- Gym Office/Storage
- Cafeteria (uses gym)
- Chair/Table Storage
- Copy Room (in corridor)
- Conference Room



but function is occurring in shared or creative use of space

### Memorial-Spaulding

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization
Kindergarten	1100	1137	103%	3	46	15	66	69.7%
1-2 Classrooms	900	862	96%	7	129	18	154	83.9%
3-5 Classrooms	900	862	96%	9	194	22	216	89.7%
Subtotals				19	369	-	436	84.6%

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	1360	136%	1	19	55	30	63.3%
Music (stage)	1200	705	59%	1	19	30	50	38.0%
Gym Stations	3000	2430	81%	1	38	30	50	76.0%
Media/Library	2632	2545	97%	1	19	35	45	42.2%

\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

Dining & Food Service	Min.Size (sf) Guidelines*	Existing Size (sf)	Adjust (sf)* per Lunches	Count of Spaces	Lunch Periods	Design Enroll.	Enrollment Supported	
	· ·		2180	1	3		221	167.0%
Cafeteria	3270	1105	1635	1	4		295	125.2%
Caleteria	3270	1105	1308	1	5	436	368	100.2%
			1090	1	6		442	83.5%
Kitchen	1460	300	n/a	1	n/a		000 0,10000000000	

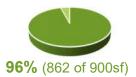
<sup>\*</sup>Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods. Guidelines default to 2 periods

#### Classroom Size (sf) vs Guidelines









No Modulars

### Shared Spaces & Missing Spaces\*

vs NPS Educational Program (at 18 Classrooms)

- (9) Lit/Math & (2) ELL Share 2 Rooms
- BCBA & SEL in Sp. Ed.
- (2) OT/PT with Speech
- Music Uses the Stage

- Break-Out Space per Grade
- Separate OT/PT Office
- Chair/Table Storage
- Records/Storage Room
- Conference Room
- Nursing (Lactation Room)

### Other Spaces

- + Extra Music Room
- + Auditorium
- + ASP Specific Space





\*Shared or missing spaces have no separate designated space, but function is occurring in shared or creative use of space

#### Peirce

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization
Kindergarten	1100	1023	93%	2	36	18	44	81.8%
1-2 Classrooms		043	94%	4	80	20	88	90.9%
3-5 Classrooms	900	842	94%	5	120	17	100	74 40/
3-5 Modulars	5 Modulars	830	92%	2	120	17	168	71.4%
Subtotals				13	236		300	78.7%

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	865	87%	1	13	55	30	43.3%
Music (stage)	1200	620	52%	1	13	30	50	26.0%
Gym Stations	3000	2015	67%	1	26	30	50	52.0%
Media/Library	2020	990	49%	1	13	35	45	28.9%

\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

Dining & Food Service								
	100		1500	2	3		259	91.1%
Cafeteria	2250	648	1125	2	4		345	68.3%
Caleteria	2230	040	900	2	5	300	432	54.7%
			750	2	6		518	45.6%
Kitchen	1460	220	n/a	1	n/a		000000000000000000000000000000000000000	

<sup>\*</sup>Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods. Guidelines default to 2 periods

#### Classroom Size (sf) vs Guidelines





94% (842 of 900sf) 2 Modulars at 830sf

### **Shared Spaces & Missing Spaces\***

vs NPS Educational Program (at 18 Classrooms)

- (5) Special Educ, SEL,
  - (2) ELL & (1) Math Share 2 Rooms
- (2) OT with (2) Speech
- Music Uses the Stage

### Other Spaces

- + District-Wide Sp.Ed Rms
- + Auditorium

- Break-Out Space per Grade
- Separate OT/PT Office
- Art Workroom/Storage
- Music Practice
- Gym Office/Storage
- Chair/Table Storage
- Copy& Storage (in corridors)
- Conference Room
- Nursing (Lactation Room)



\*Shared or missing spaces have no separate designated space, but function is occurring in shared or creative use of space



#### Underwood

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization
Kindergarten	1100	1110	101%	2	37	19	44	84.1%
1-2 Classrooms	000	CCE	74%	4	82	21	88	93.2%
3-5 Classrooms	900	665	74%	6	123	21	144	85.4%

Subtotals 87.7%

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	720	72%	1	12	55	30	40.0%
Music	1200	695	58%	1	12	30	50	24.0%
Gym Stations	3000	3025	101%	1	24	30	50	48.0%
Media/Library	2020	1570	78%	1	12	35	45	26.7%

\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

			1380	1	3		311	77.8%
Cafeteria	2070	1555	1035	1	4		415	58.4%
Caleteria	2070	1333	828	1	5	276	518	46.7%
			690	1	6		622	38.9%
Kitchen	1460	290	n/a	1	n/a			

<sup>\*</sup>Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods, Guidelines default to 2 periods

\*Shared or missing spaces have no separate designated space, but function is occurring in shared or creative use of space

#### Classroom Size (sf) vs Guidelines









### Shared Spaces & Missing Spaces\*

vs NPS Educational Program (at 18 Classrooms)

- Special Educ, SEL, BCBA & Social Work
- Share 2 Rooms
- ELL/Math in 1 Room

- Break-Out Space per Grade
- Separate OT/PT Office
- Chair/Table Storage
- Records & Storage Rooms
- OT/PT/Speech in 1 Room Nursing (Lactation Room)

### Other Spaces

- + ASP Specific Room
- -- No Auditorium/Stage



<sup>\*</sup>Kitchen size guidelines = 1600sf for enrollments up to 300 students +1sf for each over 300. NPS standard = 1460sf

#### Ward

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization		
Kindergarten	1100	870	79%	2	42	21	44	95.5%		
1-2 Classrooms	000	000	900	699	78%	4	68	17	88	77.3%
3-5 Classrooms	900	699	78%	6	102	17	144	70.8%		
								75.50		

Subtotals 212 76.8%

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	740	74%	1	12	55	30	40.0%
Music	1200	765	64%	1	12	30	50	24.0%
Gym Stations	3000	2520	84%	1	24	30	50	48.0%
Media/Library	2020	1645	81%	1	12	35	45	26.7%

\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

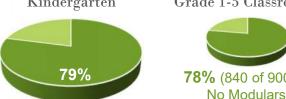
							Enrollment Supported	
			1380	1	3		257	82.5%
Cafeteria	2070	1285	1035	1	4	1	343	61.9%
Caleteria	2070	1205	828	1	5	276	428	49.5%
			690	1	6	]	514	41.2%
Kitchen	1460	300	n/a	1	n/a			

\*Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods. Guidelines default to 2 periods

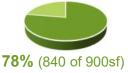
\*Shared or missing spaces have no separate designated space, but function is occurring in shared or creative use of space

#### Classroom Size (sf) vs Guidelines





Grade 1-5 Classrooms



### **Shared Spaces & Missing Spaces\***

vs NPS Educational Program (at 18 Classrooms)

 Lit/Math/SEL & BCBA Share 2 Rooms

Other Spaces

+ ASP Specific Room

-- No Auditorium

- Sp. Educ. Teaching
- Speech & Language
- Break-Out Space per Grade
- Separate OT/PT Office
- Art Workroom/Storage
- Chair/Table Storage
- Records Room
- Conference Room



<sup>\*</sup>Kitchen size guidelines = 1600sf for enrollments up to 300 students +1sf for each over 300. NPS standard = 1460sf

#### Williams

Core Academic Spaces	Min.Size (sf) Guidelines*	Existing Avg. (sf)	Size (sf) vs Guidelines*	Count of Spaces	FY 2024 Enrollment	Class Size Avg. (stu's)	Design Enrollment (Seats)**	CR Seat Utilization	
Kindergarten	1100	1173	107%	2	26	13	44	59.1%	
1-2 Classrooms	000	900	840	93%	4	76	19	88	85.9%
3-5 Classrooms	900	840	93%	6	113	19	144	78.8%	
Subtotals				12	215		276	77.9%	

\*Minimum room sizes per NPS Educ-Program \*\*Seats based on class size targets (22 stu/room K-2, 24 stu/room 3-5)

Related Arts Spaces	Min.Size (sf) Guidelines*	Existing Size (sf)	Size (sf) vs Guidelines*	Count of Spaces	Classes/ Week	Minutes/ Class	Avail. Time Slots/Wk	Functional Utilization
Art	1000	1020	102%	1	12	55	30	40.0%
Music (stage)	1200	610	51%	1	12	30	50	24.0%
Gym Stations	3000	2885	96%	1	24	30	50	48.0%
Media/Library	2020	1800	89%	1	12	35	45	26.7%

\*Media/Library size guidelines = 2020sf for enrollments up to 300 students and 4.5sf for each student over 300

Dining & Food Service	Min.Size (sf) Guidelines*	Existing Size (sf)	Adjust (sf)* per Lunches	Count of Spaces	Lunch Periods	Design Enroll.	Enrollment Supported	Functional Utilization
			1380	1	3		205	104.9%
Cafeteria	2070	1025	1035	1	4		273	78.7%
Caleteria	2070	1023	828	1	5	276	342	62.9%
	v. v.		690	1	6	ľ	410	52.4%
Kitchen	1460	355	n/a	1	n/a	ľ	000 0.000000000000000000000000000000000	

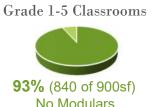
<sup>\*</sup>Cafeteria size guidelines = 15sf per student enrollment divided by lunch periods. Guidelines default to 2 periods

#### PERKINS — EASTMAN

\*Shared or missing spaces have no separate designated space, but function is occurring in shared or creative use of space

#### Classroom Size (sf) vs Guidelines





### **Shared Spaces & Missing Spaces\***

vs NPS Educational Program (at 18 Classrooms)

- (6) Lit/Math in 1 Room
- (2) ELL in 1 Room
- Tm Specialist in Sp. Ed
- (2) OT with (3) Speech
- Metco/Soc-Work Share
- Music Uses the Stage

### Other Spaces

- + District-Wide Sp.Ed. CR
- + Auditorium
- + ASP Specific Room

- Break-Out Space per Grade
- Separate OT/PT Office
- Art Workroom/Storage
- Music Practice
- Gym Office within Storage
- Chair/Table Storage
- Copy Room (in corridors)
- Conference Room
- Nursing (Lactation Room)



### Existing Spaces vs Educational-Program

NEWTON PUBLIC SCHOOLS		BOWE	N		BUR			AASON-	RICE	MEMO	RIAL-SP	AULDING	S	PI	EIRCE		pecoliti.	UNI	DERWO	DOD		WA	RD		WILLIA	AMS			FIONAL PI 06-322 St		NPS EDUCA		
ROOM TYPE	ROOM NEA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NEA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NEA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTA	ALS	ROOM #	OF OMS	AREA TOTALS			# OF OOMS	AREA TOTALS	ROON NEA <sup>1</sup>	ROOM		ROOM NEA <sup>1</sup>	# OF ROOMS				# OF ROOMS	REA TOTALS	ROOM NEA <sup>1</sup>	# OF ROOMS	AREA TOTALS
CORE ACADEMIC		18	17,600		18	18,730	74175	18	17,470		19	18,95	i5		13	11,555			12	10,610	100	12			12				14	14,725		18	18,525
Kindergarten Classroom	850	3	2,550	1,005	1	1,005	882	3	2,645	1,137	3	3,4	110	1,023	2	2,045	Г	1,110	2	2,220	870	2	1,74	1,173	2	2,345	1,	100	3	3,300	1,100	4	4,400
Modular Kindergarten Clasarooms				1,148	- 2	2,295	$\Gamma$		. 0				.0	8 17	$\neg$						T					-	1 🗆			0			0
General Classroom (Grades 1-6)	886	12	10,630	994	15	14,915	906	12	10,870	862	16	13,7	95	842	9	7,580	T	665	10	6,650	699	10	6,98	840	10	8,395	L	00	11	9,900	900	14	12,600
Modular General Classrooms	883	3	2,650			. 0	890	3	2,670				.0	830	2	1,060										- (	1			.0			D
Science/Techn/Engineering (STE) Room (Gr.3-6)			0			0			0				0			0	Г			0				2						0			0
STE Storage Room (if applicable)			0			a			0				0			0				0										0			0
ELL (in modular at Bowen)	890	1	890	[2] with	in Sp. Ed.	eaching	90	1	90	920	1	- 9	20	(2) within Sp	Ed. Te	eaching	3	665	1	.665	200	1	20	295	1	295	. 3	00	1	300	300	1	300
Literacy Center / Books	880	1	880	335		335	875	1	875	830	. 1	8	130	419	1	270		410	1	410	775	1	77	375	1	375		00	1	900	900	1	900
Literacy Specialist		in Literacy C			hin Literaci	Center	235	1	235		Lit Ctr. (1)		7	(1) within Lit			1		1	665	270		27		ithin Litera			75	1	175	175	1	175
Math Coach	with	in Literacy C	Center	180	- 1	180	85	1	85	[2]	within ELL R	loom	- 2	(I) within Le	arning (	Center	1	withi	n ELL roo	m		within Lit	room	(3) v	vithin Litera	cy Center	1	50	1	150	150	1	150
SPECIAL EDUCATION			3,845			2,135			2,785			4,94	10			3,020	n			1,420			1,735			2,390				3,650			3,650
Special Education Teaching	645	1	645	940	- 1	940	925	2	1,850	1,023	2	2,0	145	840	1	840	1	635	1	635				590	1	590	. 2	25	4	900	225	4	900
			0	315	- 1	315			0	340	1	3	-		1	320	3	200	1	200				190	1	190				0	111-		0
Break-Out/Small Group	and the second second second	nes SEL Roo	and the second second	300	1	300	65	-1	65	305	2	- 6	-	(3) in C	-	rs.	⊢	200		-0		-		100		100		25	6	750	125	- 6	750
OT/PT	(2) with	in Speech/L	anguage	[1] with	nin Sp. Ed. 1	eaching	435	- 1	435	330	1	- 3	30	110	1	110	1	200	1	200	890	1	89	(2)	OT/PT within	п Зреесп	-	25	1	425 175	425	1	425
OT/PT Office Quiet	65	1	- 66	50	1	50	120	1	120	75	1	_	71	50	2	100	Н	65	1	- 0	65	2	13	50	1	- 4		75	3	300	175	3	300
Speech and Language	860	1	860	50	2	100		within OT		185	1	- 1	85	(2) with		PT	ıĿ		hin OT/P	r co		-		235		230		50	1	750	250	1	250
Team Specialist + IEP Conference	150	1	150	90	1	90	60	1	60	225	1	2	25		1 1	100	æ	-	1	215	305	1	30		ithin So. Ed.	Teaching		00	1	400	400	1	400
Psychologist (incl testing/storage)	165	1	165	170	1	170	135	1	139	870	1	8	70		1	175			1	105	85	1	8	155		155		50	1	150	150	1	150
Psych - Play to Learn			0		-	0	120	1	120	100000		-	0			0		1	7.5	0					1	-				0	177	100	0
Social Worker	130	1	130	370	1	170	. (1	within CT	/PT	260	. 1		60	(1) See with	hin Paye	ch Dlf	1	within Sp	p. Ed. Tea	uching	325	1	32	150	1	350	1 1	50	2	150	150	i	150
Behavioral / BCBA	55	1	55	(1) with	in Sp. Ed.	Teaching	(1) with	tin Sp. Ed. 1	Teaching	(1) with	rin Sp. Ed. 1	eaching	_ :	within B	RIDGE 3		1	within Sp	p. Ed. Tea	ching	wi	thin SEL (se	e Admin)	(1) w	ithin Sp. Ed.	Teaching	1 1	50	1	150	150	1	150
Bridge Program Classroom (K-2 & 3-5)			0			0			0				0	640	2	1,280				.0						(				0			- 0
Bridge Program Storage			.0			0			0				0	95	1	95	_	_	_	. 0				1			1 1—	_		0			0
Reflections Program (K-2)		112	0			0							0		-	.0	-	_	-			_	-	910	1	910	1 —	_		0			0
STRIDE Program (K & 1-3)	888	2	1,775					_	. 0				0		-	: 0	100	-				_		1 —		1	1 -			- 0			0
ART & MUSIC		,	1,150			1,900			2,175			2,23				865				2,250			1,640			1,020				2,500			2,500
Art Classroom [25 seats]	1,150	1 .	1,150	875	1	875	1,195	1	1,195	1,360	1	1,3	60	865	1	. 865	_	720	1	720	740		74	1,020	1	1,020		000	1	1,000	1,000	1	1,000
Art Workroom with Storage and Klin										92	2		85			0	-	710	-	710	90	+ +		<del>,</del>	_	نصيف		KO.	-	150	150		150
Music Classroom (modular at Mason-Rice)	Uses	Auditorium	/Stage	1,025	-1	1,025	980	- 1	980		Auditorium 1		_	Uses Audit	orium/5	Stage		695 125		695		1		Use	s Auditoriu	m/Stage		200	1	1,200	1,200		1,200
Music Practice / Ensemble			0			0.0000			0	690	1	15077	90			-20000	-	125	1	125	55	1	-			-	1	9	7 1	150	/5	- 4	150
HEALTH & PHYSICAL EDUCATION		0 0	2,970			4,410			2,370			2,91	460			2,015	10			3,615			2,890			3,230		- 10	- 10	6,300			6,300
Gymnasium	2,790	1	2,790	3,865	- 1	3,865	2,360	_	2,360	2,430	-	2,4	-	2,015	1	2,015	_		1	3,025	2,520	_		2,885		2,885		000	1	6,000	6,000	1	6,000
Gym Storeroom	90	- 1	90	375	1	375	10	1	10	325	1	- 3	25	8 8	-	0			1	415	105			345		345		00	1	200	200	- 1	200
Health Instructor's Office with Shower and Toilet	90	1	90	170	- 1	170			. 0	60	1	-	60		_	. 0	-	175	1	175	160	1			vithin Store	1000	1	00	1	100	100	1	100
MEDIA CENTER / SIBRARY	l		1,525			1,240			1,200	L		2,54				990				1,570			1,645			1,800				2,047			2,452
Media Center / Reading Room	1,525	1	1,525	1,240	-1	1,240	1,200	1	1,200	2,545	1	2,5	45	990	1	990		1,570	1	1,570	1,645	1	1,64	1,800	1	1,800	2,	047	1	2,047	2,452	1	2,452





### Existing Spaces vs Educational-Program

						$\overline{}$	-		
NEWTON PUBLIC SCHOOLS	BOWEN	BURR	MASON-RICE	MEMORIAL-SPAULDING	PEIRCE	UNDERWOOD	WARD	WILLIAMS	NPS EDUCATIONAL PROGRAM NPS EDUCATIONAL PROGRAM (18 CRs = 396-414 Students)
ROOM TYPE	ROOM # OF AREA TOTALS	ROOM B OF AREA TOTALS	ROOM # OF AREA TOTALS	ROOM # OF AREA TOTALS	ROOM # OF AREA TOTALS	ROOM # OF AREA TOTALS	ROOM # OF AREA TOTALS	ROOM # OF AREA TOTALS	ROOM # OF NEA ROOMS AREA TOTALS NEA ROOMS AREA TOTALS
DINING & FOOD SERVICE	2,020	4,335	1,035	1,935	1,775	2,195	2,110	2,625	5,257 5,962
Cafeteria / Dining	1,090 1 1,090	3,685 1 3,685	uses auditorium	1,105 1 1,105	648 2 1,295	1,555 1 1,555	1,285 1 1,285	1,025 1 1,025	2,295 1 2,295 2,970 1 2,970
Stage	within Auditorium	0	within Auditorium	within Auditorium	within Auditorium	0	0	within Auditorium	1,000 1 1,000 1,000 1 1,000
Chair / Table / Equipment Storage								- 0	302 302 302 372 372
Otchers	330 1 330	310 1 310	425 1 425	300 1 300	220 1 220	290 1 290	300 1 300	355 1 355	1,460 1 1,460 1,460 1 1,460
Staff Lunch Room	600 1 600	340 1 340	610 1 610	530 1 530	260 1 260	290 1 290	525 1 525	245 1 245	200 200 200 200 200 200 200 200 200 200
MEDICAL	300	165	200	130	170	650	350	100	410 410
Medical Suite Toilet	40 1 40	0	0	0	25 1 25	0	0	0	60 1 60 60 1 60
Nurses' Office / Waiting Room	260 1 260	165 1 165	200 1 200	130 1 130	145 1 145	310 1 310	350 1 350	100 1 100	250 1 250 250 1 250
Examination Room / Resting	0	0	0	0	0	340 1 340	0	0	100 1 100 100 1 100
ADMINISTRATION & GUIDANCE	1,420	1,370	1,350	560	610	1,085	1,535	1,725	2,080 2,080
General Office / Waiting Room with Toilet	325 1 325	510 1 510	285 1 285	260 1 260	220 1 220	485 1 485	380 1 380	310 1 310	650 1 650 650 1 650
Teachers' Mail and Time Room	0	0	0	0	190 1 190	125 1 125	120 1 120	0	included in gen, office included in gen, office
Copy Room	190 1 190	0	in Corridors	0	in Corridors	included above	included above	in Corridors	included in gen. office included in gen. office
Records Room	0	0	50 1 50	0	in Corridors	0	0	110 1 110	80 1 80 80 1 80
Principal's Office with Conference Area	400 1 400	350 1 350	150 1 150	300 1 300	200 1 200	215 1 215	280 1 280	370 1 370	300 1 300 300 1 300
Principal's Secretary / Waiting	0	0	0		0	0	0	0	included in gen, office included in gen, office
Assistant Principal's Office				-		<del></del>		9	
Supervisory / Spare Office (ASP)		0		0	0	O	0	0	150 1 150 150 1 150
Conference Room	0	255 2 510	9		0	160 1 160		0	250 1 250 250 1 250
Guidance Office			9				0	0	0 0
Guidance Storeroom Teachers' Work Room	0	0	0	9	9	100 1 100	35 1 35 within staff lunch	0	200 2 400 200 2 400
METCO	125 1 125		(1) within SEL	within Social Worker	within ASP Office	100 1 100	within staff aunch	within Soc Worker	200 2 400 200 2 400
SEL Coach / Intervention (can share space)	125 1 125 190 2 380	(1) within Learning Center	(X) within SEL 690 1 690	within Social Worker within Learning Center	(1) within Learning Center	within Sp. Ed. Teaching	635 1 635	935 1 935	150 1 150 150 1 150
Wellness / Nursing Room	290 2 340	(2) within teaming center	175 1 175	within cearning Center	1 (A) within coarning center	within sp. to. reasing	85 1 85	233 1 233	190 1 100 100 1 100
CUSTODIAL & MAINTENANCE	2,440	2,645	930	3,560	225	1,220	1,030	2,625	1,750 1,750
BOOK CONTRACTOR CONTRACTOR CONTRACTOR	15,000	17771000		1.75 (1.00)	200	4,550	4,000	*****	the state of the s
Custodian's Office Custodian's Workshop	170 1 170	165 1 165	145 1 145	205 1 205	135 1 135	9	0	0	100 1 100 100 1 100
Custodian's Storage	27 6 160	30 2 60	65 2 130	57 5 285	90 1 90	174 7 1,220	147 7 1,030	55 3 165	500 1 500 500 1 500
Recycling Room / Trash	27 0 200	30 2 60	03 2 150	37 3 283	90 1 90	174 / 1,220	147 7 1,030	93 3 265	700 1 700 700 1 700
Receiving and General Supply		0		0		0	0		included in above included in above
Storeroom	0	0	0	0		0	0	0	200 1 200 200 1 200
Network / Telecom Room	260 1 260	0	400 1 400	80 1 80	within Mail Room	0	0	75 1 75	250 1 250 250 1 250
Misc. Storage Rooms	206 9 1,850	403 6 2,420	64 4 255	598 5 2,990		0	0	596 4 2,385	0 0
OTHER	4,525	2.155	4,095	3,720	2,820	805	1,275	3,395	1,250 1,250
Auditorium	2,400 1 2,400	no auditorium	2,260 1 2,260	2,015 1 2,015	1.955 1 1.955	no auditorium	uses gymnasium	2.220 1 2.220	
Stage	725 1 725	0	355 1 355	705 1 705	620 1 620	a	650 1 650	610 1 610	1,000 1 1,000 1,000 1 1,000
After School Program (ASP)/Office	700 2 1,400	105 1 105	1,480 1 1,480	670 1 670	110 1 110	700 1 700	625 1 625	565 1 565	250 1 250 250 1 250
.ASP Storage	0	0	0	150 1 130	135 1 135	0	0	0	0 0
Assoc Dir of Elem Educ				200 1 200		0	0		
Sp. Educ Asst Director						105 1 105	0		
District Storage	- 0	1,025 2 2,050	0			0	0	0	0 0
Total Building Net Floor Area (NFA)	37,795	39,085	33,610	41,395	24,045	25,360	24,180	29,320	39,369 44,879
Enrollment	355	355	334	160	236	242	212	215	306 396
Total Building Gross Floor Area (GFA)	61,430	53,060	50,440	64,475	38,110	41,000	44,200	44.980	59,953 67,318
Grossing Factor (GFA / NFA)	1.63	1.36	1.50	1.56	1.58	1.62	1.83	1.53	1.50 1.50
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
			-						





### **Building Conditions**

Bowen, Burr, Mason-Rice, Memorial-Spaulding, Peirce, Underwood, Ward & Williams, Elementary Schools



### Building Age & Additions



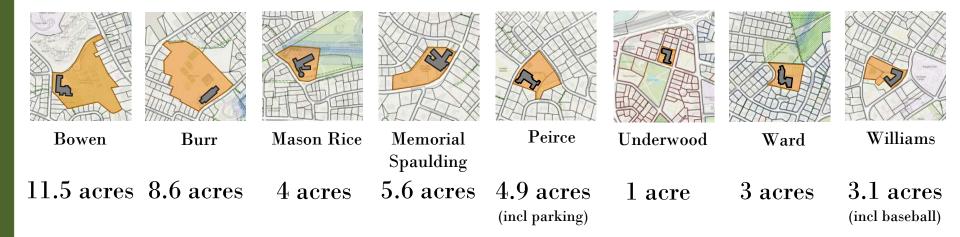
						4	3
Bowen	$\mathbf{Burr}$	Mason Rice	Memorial	Peirce	${\bf Underwood}$	$\mathbf{Ward}$	Williams
			Spaulding				
1950	1966	1957	1952	1954	1924	1928	1949
1998 Addition	2011 Modulars	2013 Modulars	1959 Addition	1955 Addition	1978 Add/Renovation	1949 Addition	2000 Addition
$2013 \atop  ext{Modulars}$	2013 Modulars		2002 Add/Renovation	2007 Modulars		1956 Addition	





### Site Size









### Site Topography (At Building)



						C	
Bowen	$\mathbf{Burr}$	Mason Rice	Memorial	Peirce	${f Underwood}$	$\mathbf{Ward}$	Williams
			Spaulding				
11.5 acres	8.6 acres	4 acres	5.6 acres	4.9 acres (incl parking)	1 acre	3 acres	3.1 acres (incl baseball)
2-4ft	10-15ft	$15 \mathrm{ft}$	8-10ft	7-10ft	2 ft	15-20ft	$2 { m ft}$
Grade change (20ft hill behind school)	Grade change	Grade change	Grade change	Grade change	Grade change	Grade change	Grade change



Some sites feature larger grade changes outside of the building footprint across the entirety of the property but may have more favorable flatter topographic contours in select areas of the parcel.



### Site Regulations

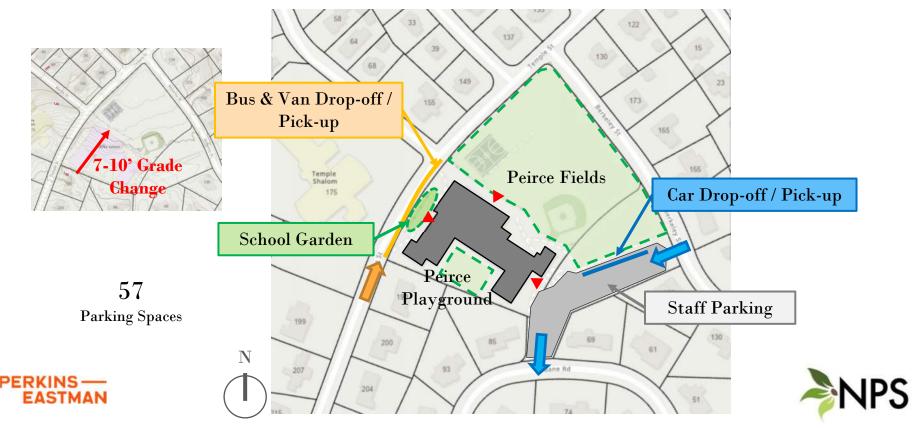


Bowen	$\mathbf{Burr}$	Mason Rice	Memorial	Peirce	${\bf Underwood}$	$\mathbf{W}$ ard	$\mathbf{Williams}$
			Spaulding				
11.5 acres	8.6 acres	4 acres	5.6 acres	4.9 acres (incl parking)	1 acre	3 acres	3.1 acres (incl baseball)
2-4ft	10-15ft	15ft	8-10ft	7-10ft	2ft	15-20ft	2ft
Grade change	Grade change	Grade change	Grade change	Grade change	Grade change	Grade change	Grade change
(20ft hill behind school)		RPA*,Wetland Buffer, ROW**, Easements	Easements		Farlow & Kenrick Parks Historic District	ROW**	Auburndale Local Historic District, Scenic Roads
PERKINS — EASTMAN				Protection Act			<b>≥NPS</b>

\*\* Right of Way

### Peirce Elementary

Site Context & Access



## Peirce Elementary Site Conditions

- Most entrances/access points are not accessible. (only rear entrance ramp, custodial entrance with limited-use, limited application (LULA) stair lift).
- Playgrounds are not accessible with raised edging, no sidewalk to access playgrounds, other sidewalks need replacement.
- Ponding observed at baseball field.
- Service driveway needs repaving.
- Site slopes make accessible routes a challenge at certain paths and sidewalks.
- Car drop-off / pick-up is off street at the parking lot, bus & vans are on street.

















### Peirce Elementary Building Conditions

- 2 boilers are original to the school, one is non-functional, no electrification of system. The functional boiler is the last remaining oil boiler in the district. Neither meets City of Newton's electrification / decarbonization goals.
- No sprinkler system, HVAC system is at end of life.
- No elevator, only LULA lift from main to lower level, stair lift for lower level access from exterior.
- Floor has been patched over the years.
- Ceilings updated in most, but not all classrooms with new lighting fixtures and lighting control.
- Cold-applied roof with ballast has cultivated moss growth near tree line.
- 2006 windows are in good condition, but nearing end of life and would not meet current energy codes.

















## Base Repair Costs Context

- Total repair costs are a product of the unique conditions of each facility and the size of each facility.
- A smaller building like Peirce may have a lower capital repair total than Memorial-Spaulding, but Memorial-Spaulding is almost twice as large as Peirce and, therefore, requires significantly more investment for the same impact of updating building systems.
- Costs for Underwood and Ward are based on 2023 cost estimate provided by Perkins Eastman's cost estimator consultant. These estimates include more detailed breakdowns of direct cost associated with structural changes required to update both buildings. (ie. costs to alter structure, fill in floors, are included under accessibility)
- Costs for the remaining 6 schools are estimates provided by Newton Public Buildings (NPB) 2023 internal facility assessments for long-term capital improvement initiatives.
- Scope of work does not include costs to change program or alter space sizes to meet the educational program.



### Peirce Elementary

Est. Repair Cost by System/Category









This scope of work and corresponding cost address only building systems and site improvements.

It does not address the lack of program space, appropriately sized spaces, and adjacencies that exist today and that are commonly provided in  $21^{\rm st}$  schools.





### **Building Condition Assessment**

Est. Total Repair Cost & Cost/Sq Ft

#### **Total Repair Cost for Each School**





st Cost estimate is from Newton Public Buildings 2023 internal facility assessment

<sup>\*\*</sup> Cost estimate is from Perkins Eastman's cost estimator

### **Building Condition Assessment**

Est. Repair Cost By Building System/Category

#### Repair Cost By System/Category for Each School





<sup>\*</sup> Cost estimate is from Newton Public Buildings 2023 internal facility assessment

<sup>\*\*</sup> Cost estimate is from Perkins Eastman's cost estimator

# Appendix – Existing Floor Plans & Space Summaries



### Bowen – Space Summary

NEWTON PUBLIC SCHOOLS		BOWE	N
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
DRE ACADEMIC		18	17,600
Kindergarten Classroom	850	3	2,550
Modular Kindergarten Classrooms			
General Classroom (Grades 1-6)	886	12	10,630
Modular General Classrooms	883	3	2,65
Science/Techn/Engineering (STE) Room (Gr.3-6)			1
STE Storage Room (if applicable)			1
£LL (in modular at Bowen)	890	1	89
Literacy Center / Books	880	1	881
Literacy Specialist	with	in Literacy	Center
Math Coach	with	in Literacy	Center
ECIAL EDUCATION			3,845
Special Education Teaching	645	-1	64
Break-Out/Small Group	U	ses SEL Roo	om
OT/PT	(2) with	in Speech/	Language
OT/PT Office			1000,410
Quiet	65	1	6
Speech and Language	860	1	86
Team Specialist + IEP Conference	150	1	15
Psychologist (incl testing/storage)	165	1	16
Psych - Play to Learn			
Social Worker	130	1	13
Behavioral / BCBA	55	1	5
Bridge Program Classroom (K-2 & 3-5)			
Bridge Program Storage			
Reflections Program (K-Z)			
STRIDE Program (K & 1-3)	888	2	1,77
RT.& MUSIC			1,150
Art Classroom (25 seats)	1,150	1	1,15
Art Workroom with Storage and Kiln			
Music Classroom (modular at Mason-Rice)	Uses	Auditorium	/Stage
Music Practice / Ensemble		T	3
ALTH & PHYSICAL EDUCATION			2,970
Gymnasium	2,790	1	2,79
Gym Storeroom	90	1	9
Health Instructor's Office with Shower and Toilet	90	1	91
EDIA CENTER / LIBRARY			1,525
Media Center / Reading Room	1,525	1	1,52

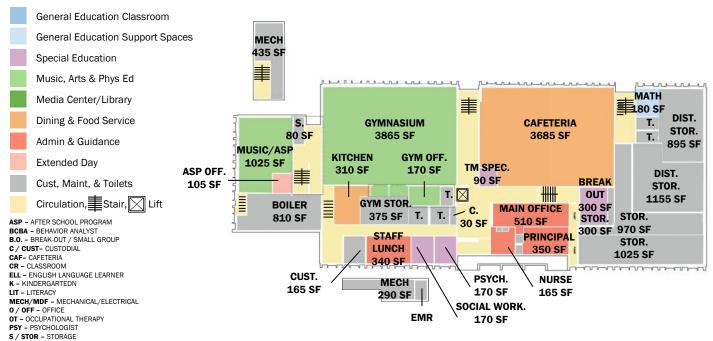
ROOM	# OF	Assessed	ROOM	# OF	0.000
NFA <sup>1</sup>	ROOMS	AREA TOTALS	NFA <sup>1</sup>	ROOMS	AREA TOTAL
	14	14,725		18	18,525
1,100	3	3,300	1,100	4	4,40
		0			10
900	11	9,900	900	14	12,60
	1 8	0	-	1	10
		o			- 8
		0			
300	1	300	300	1	30
900	1	900	900	1	90
175	1	175	175	1	17
150	1	150	150	1	150
		3,650			3,650
225	4	900	225	4	90
	1 5	0	2003		
125	- 6	750	125	6	75
425	1	425	425	1	42
175	-1	175	175	1	17
100	3	300	100	3	30
400	1	250 400	250 400	1	25
150	1	150	150	1	15
130	1	130	130	1	45
150	1	150	150	1	15
150	1	150	150	1	15
	1000	0	7 1000		100
		0			00
		o	8		- 0
		0			10
		2,500			2,500
1,000	1	1,000	1,000	1	1,00
150	1	150	150	1	15
1,200	1	1,200	1,200	1	1,20
75	2	150	75	2	15
		6,300			6,300
6,000	-1	6,000	6,000	1	6,00
200	1	200	200	1	20
100	1	100	100	1	10
		2,047			2,452
2,047	1	2,047	2,452	1	2,45

NEWTON PUBLIC SCHOOLS	BOWEN							
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS					
DINING & FOOD SERVICE			2,020					
Cafeteria / Dining	1.090	1	1,090					
Stage	wit	hin Audito						
Chair / Table / Equipment Storage			0					
Kitchen	330	1	330					
Staff Lunch Room	600	1	600					
MEDICAL			300					
Medical Suite Toilet	40	1	40					
Nurses' Office / Walting Room	260	1	260					
Examination Room / Resting			0					
ADMINISTRATION & GUIDANCE			1,420					
General Office / Waiting Room with Toilet	325	1	325					
Teachers' Mail and Time Room			0					
Copy Room	190	1	190					
Records Room			0					
Principal's Office with Conference Area	400	1	400					
Principal's Secretary / Waiting			0					
Assistant Principal's Office			0					
Supervisory / Spare Office (ASP)			. 0					
Conference Room			0					
Guidance Office			0					
Guidance Storeroom			0					
Teachers' Work Room	- 1		0					
METCO	125	1	125					
SEL Coach / Intervention (can share space)	190	2	380					
Wellness / Nursing Room			0					
CUSTODIAL & MAINTENANCE			2,440					
Custodian's Office	170	1	170					
Custodian's Workshop			0					
Custodian's Storage	27	6	160					
Recycling Room / Trash	1 - 3							
Receiving and General Supply			0					
Storeroom			0					
Network / Telecom Room	260	1	260					
Misc. Storage Rooms	206	9	1,850					
OTHER			4,525					
Auditorium	2,400	1	2,400					
Stage	725	1	725					
After School Program (ASP)/Office	700	2	1,400					
ASP Storage			0					
Assoc Dir of Elem Educ	- 1							
Sp. Educ Asst Director								
District Storage			0					
Total Building Net Floor Area (NFA)			37,795					
Enrollment	_		355					
Total Building Gross Floor Area (GFA) <sup>2</sup>			61,430					
Grossing Factor (GFA / NFA)		l .	1.63					

		PROGRAM Students)			PROGRAM Students)
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
	100	5,257			5,962
2,295	1	2,295	2,970	1	2,97
1,000	1	1,000	1,000	1	1,00
302	1	302	332	1	33
1,460	1	1,460	1,460	1	1,46
200	1	200	200	1	20
		410			411
60	1	60	60	1	
250	1	250	250	1	. 25
100	1	100	100	1	- 10
		2,080		-	2,08
650	1	650	650	1	65
incl	uded in gen	office	ind	uded in gen.	office
inch	uded in gen.	office	ind	uded in gen.	office
80	1	80	80	1	
300	1	300	300	1	- 30
inti	uded in gen.	office	ind	uded in gen	office
			252		
150	1	150	150	1	15
250	:1	250	250	1	25
	-	0		+	
200	2	400	200	2	40
200	1	400	200		41
150	1	150	150	1	15
100	1	100	100	1	10
		1,750			1,75
100	1	100	100	1	10
		0			
500	1	500	500	1	.50
700	1	700	700	1	70
	cluded in at			cluded in at	
200	1	200	200	1	20
250	1	250	250	1	25
		0			-
		1,250			1,25
		0			
1,000	1	1,000	1,000	1	1,00
250	1	250	250	1	25
	-	0		-	-
				-	
		0			
		39,969			44,87
		306			396
		59,953			67,311
		1.50			1.50



#### Burr – Main Floor



MAIN FLOOR 27,265 GSF MODULARS 2,475 GSF UPPER FLOOR 23,320 GSF 53,060 GSF





T - TOILET

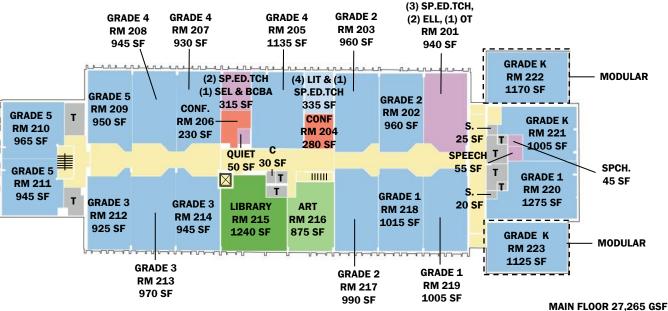
SEL - SOCIAL-EMOTIONAL LEARNING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

SP.ED.TCH - SPECIAL EDUCATION TEACHING

### Burr – Upper Floor





MAIN FLOOR 27,265 GSF MODULARS 2,475 GSF UPPER FLOOR 23,320 GSF 53,060 GSF





### Burr – Space Summary

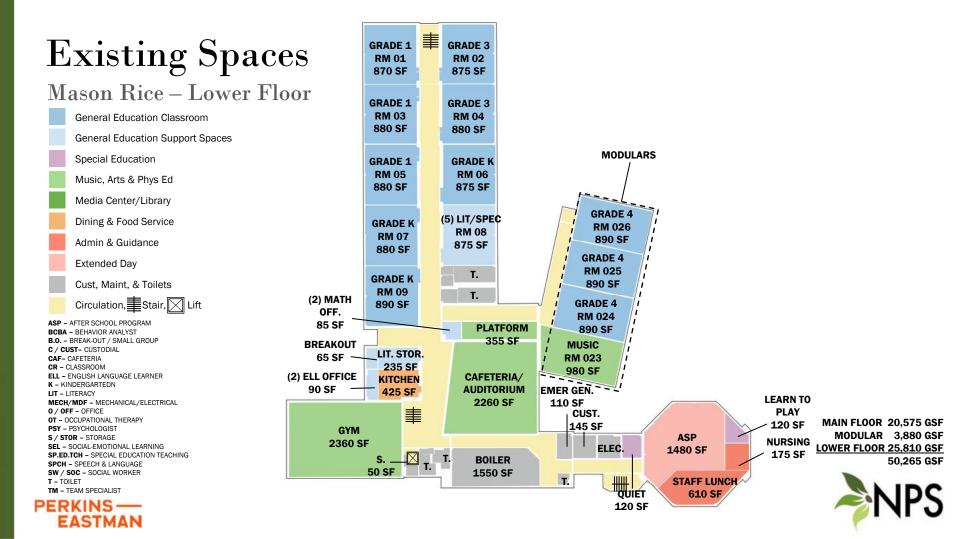
NEWTON PUBLIC SCHOOLS		BUR	3
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
RE ACADEMIC		18	18,730
Kindergarten Classroom	1,005	1	1,005
Modular Kindergarten Classrooms	1,148	2	2,29
General Classroom (Grades 1-6)	994	15	14,91
Modular General Classrooms			
Science/Techn/Engineering (STE) Room (Gr.3-6)			
STE Storage Room (if applicable)			0
ELL (in modular at Bowen)	(2) with	hin Sp. Ed.	Teaching
Literacy Center / Books	335	1	33
Literacy Specialist	(1) wit	hin Literac	Center
Math Coach	180	1	18
ECIAL EDUCATION			2,135
Special Education Teaching	940	1	94
	315	1	31
Break-Out/5mall Group	300	1	30
OT/PT	(1) with	nin Sp. Ed.	Teaching
OT/PT Office			
Quiet	50	1	51
Speech and Language	50	2	10
Team Specialist + IEP Conference	90	1	9
Psychologist (incl testing/storage)	170	1	170
Psych - Play to Learn			
Social Worker	170	1	170
Behavioral / BCBA	(1) with	hin Sp. Ed.	
Bridge Program Classroom (K-2 & 3-5)			
Bridge Program Storage	_		
Reflections Program (K-2) STRIDE Program (K & 1-3)	1		
T & MUSIC			1,900
Art Classroom (25 seats)	875	1	87
Art Workroom with Storage and Kiln	373		
Music Classroom (modular at Mason-Rice)	1,025	1	1.02
Music Practice / Ensemble		-	1/1
ALTH & PHYSICAL EDUCATION			4,410
Gymnasium	3,865	1	3,86
Gym Storeroom	375	1	37
Health Instructor's Office with Shower and Toilet	170	1	170
EDIA CENTER / LIBRARY	1		1,240
Media Center / Reading Room	1,240	1	1,24

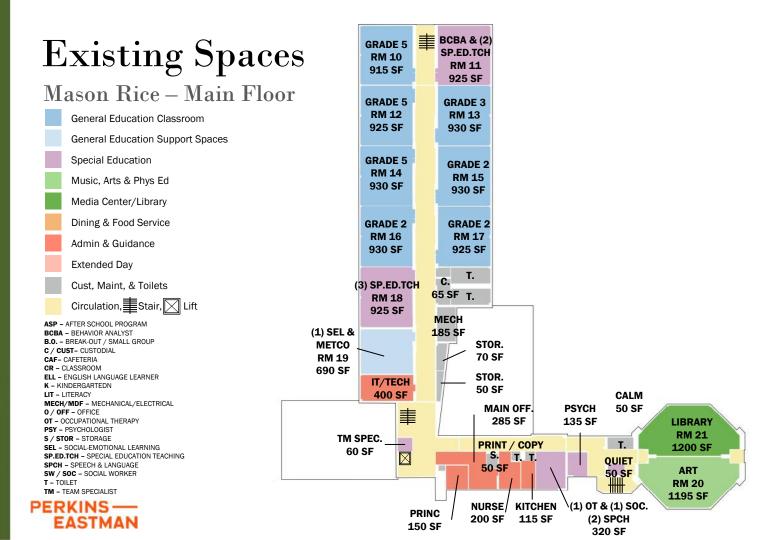
ROOM	# OF	Alexander	ROOM	# OF	ACCESSION N
NFA <sup>1</sup>	ROOMS	AREA TOTALS	NFA <sup>1</sup>	ROOMS	AREA TOTAL
	14	14,725		18	18,525
1,100	3	3,300	1,100	4	4,40
		0		1	3.0
900	11	9,900	900	14	12,60
	1 8	0		1	10
	1	0			- 1
				_	
300	1	300	300	1	300
900	1	900	900	1	900
175	1	175	175	1	175
150	1	150	150	1	150
		3,650			3,650
225	4	900	225	4.	900
	1 - 3	.0			
125	- 6	750	125	6	750
425	1	425	425	1	425
175	1	175	175	1	175
100	3	300	100	3	300
250	1	250	250	1	250
400	1	400	400	1	400
150	1	150	150	1	150
150	1	150	100	1	150
150 150	1	150	150 150	1	150
130	1	0	1.50	+ -	
	1	0		+	
		0	-	1	
		0			
		2,500		dia .	2,500
1,000	1	1,000	1,000	1	1,000
150	1	150	150	1	150
1,200	1	1,200	1,200	1	1,200
75	2	150	75	2	150
		6,300			6,300
6,000	:1	6,000	6,000	1	6,000
200	1	200	200	1	200
100	1	100	100	1	100
		2,047			2,452
2,047	1	2,047	2,452	1	2,457

NEWTON PUBLIC SCHOOLS		BUR	₹
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS
DINING & FOOD SERVICE			4,335
Cafeteria / Dining	3,685	1	3,685
Stage	-		0
Chair / Table / Equipment Storage			0
Kitchen	310	1	310
Staff Lunch Room	340	1	340
MEDICAL			165
Medical Suite Toilet			0
Nurses' Office / Waiting Room	165	1	165
Examination Room / Resting			0
ADMINISTRATION & GUIDANCE			1,370
General Office / Walting Room with Toilet	510	1	510
Teachers' Mail and Time Room			0
Copy Room	- 3		0
Records Room			0
Principal's Office with Conference Area	350	1	350
Principal's Secretary / Waiting		_	0
Assistant Principal's Office			0
Supervisory / Spare Office (ASP)			0
Conference Room	255	2	510
Guidance Office		-	0
Guidance Storeroom			0
Teachers' Work Room			. 0
METCO			
SEL Coach / Intervention (can share space)	(1) witi	nin Learnin	g Center
Wellness / Nursing Room			0
CUSTODIAL & MAINTENANCE			2,645
Custodian's Office	165	1	165
Custodian's Workshop			0
Custodian's Storage	30	2	60
Recycling Room / Trash			0
Receiving and General Supply			0
Storeroom			0
Network / Telecom Room			0
Misc. Storage Rooms	403	6	2,420
DTHER	-		2,155
Auditorium		o auditoris	
Stage		I	0
After School Program (ASP)/Office	105	1	105
ASP Storage			0
Assoc Dir of Elem Educ			
Sp. Educ Asst Director			
District Storage	1,025	2	2,050
Total Building Net Floor Area (NFA)	1 1		39,085
Enrollment			355
Total Building Gross Floor Area (GFA) <sup>3</sup>			53,060
Grossing Factor (GFA / NFA)			1.36

PS EDUCATIONAL PROGRAM 14 CRs = 306-322 Students)			NPS EDUCATIONAL PROGRAM (18 CRs = 396-414 Students)		
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
		5,257			5,962
2,295	1	2,295	2,970	1	2,97
1,000	1	1,000	1,000	1	1,00
302	1	302	332	1	33
1,460	1	1,460	1,460	1	1,46
200	1	200	200	1	20
		410			411
60	1	60	60	1	
250	1	250	250	1	25
100	1	100	100	1	10
		2,080			2,08
650	-1	650	650	1	65
included in gen. office			included in gen. office		
included in gen, office			included in gen. office		
80	1	80	80	1	
300	1	300	300	1	- 30
included in gen, office			included in gen. office		
150	1	150	150	1	15
250	1	250	250	1	2
		0		-	
- 2200	-	0	1,000	-	-
200	2	400	200	2	40
150	1	150	150	1	15
100	1	100	100	1	10
		1,750			1,750
100	1	100	100	1	11
		0		1 -	
500	1	500	500	1	56
700	1	700	700	1	70
inc	luded in at	ove	in	cluded in at	ove
200	1	.200	200	1	- 20
250	1	250	250	1	25
110000		0			
		1,250			1,250
		0			
1,000	-1	1,000	1,000	1	1,00
250	1	250	250	1	25
		0		-	
			-	-	
		0	_	_	
				-	
		39,969			44,87
		306			396
		59,953			67,311
		1.50			1.50







MAIN FLOOR 20,750 GSF MODULAR 3,880 GSF LOWER FLOOR 25,810 GSF 50,440 GSF



### $Mason\text{-}Rice-Space\ Summary$

NEWTON PUBLIC SCHOOLS	MASON-RICE			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	
ORE ACADEMIC		18	17,470	
Kindergarten Classroom	882	3	2,649	
Modular Kindergarten Classrooms			- 1	
General Classroom (Grades 1-6)	906	12	10,870	
Modular General Classrooms	890	1	2,670	
Science/Techn/Engineering (STE) Room (Gr.3-6)				
STE Storage Room (if applicable)	T			
ELL (in modular at Bowen)	90	1	90	
Literacy Center / Books	875	1	875	
Literacy Specialist	235	1	235	
Math Coach	85	1	85	
PECIAL EDUCATION	2,7			
Special Education Teaching	925	2	1,850	
Break-Out/5mall Group	65	1	65	
OT/PT	435	1	435	
OT/PT Office				
Quiet	120	1	120	
Speech and Language		within OT		
Team Specialist + IEP Conference	60	1	- 60	
Psychologist (incl testing/storage)	135	1 1	135	
Psych - Play to Learn Social Worker		) within OT		
Behavioral / BCBA		hin Sp. Ed.		
Bridge Program Classroom (K-2 & 3-5)	(1) with	un sp. ca.	reaching (	
Bridge Program Storage	_		1	
Reflections Program (K-2)				
STRIDE Program (K & 1-3)	_		1	
RT & MUSIC			2,175	
Art Classroom (25 seats)	1,195	1	1,195	
Art Workroom with Storage and Kiln				
Music Classroom (modular at Mason-Rice)	980	1	980	
Music Practice / Ensemble			. (	
EALTH & PHYSICAL EDUCATION	2,370			
Gymnasium	2,360	1	2,360	
Gym Storeroom	10	1	10	
Health Instructor's Office with Shower and Toilet				
MEDIA CENTER / LIBRARY			1,200	
Media Center / Reading Room	1,200	1	1,200	

ROOM	# OF		ROOM	# OF	_
NFA <sup>1</sup>	ROOMS	AREA TOTALS	NFA <sup>1</sup>	ROOMS	AREA TOTALS
	14	14,725		18	18,525
1,100	3	3,300	1,100	4	4,400
		0		_	0
900	11	9,900	900	14	12,600
	8	0		_	
		o			0
		o		T	0
300	1	300	300	1	300
900	1	900	900	1	900
175	1	175	175	1	175
150	1	150	150	1	150
		3,650			3,650
225	4	900	225	4.	900
	1 - 3	0			
125	6	750	125	6	750
425	1	425	425	1	425
175	-1	175	175	1	175
100	3	300	100	3	300
250	1	250	250	1	250
400	1	400	400	1	400
150	1	150	150	1	150
		0	-		0
150	1	150	150	1	150
150	1	150	150	1	150
	-	0		+	0
	1	0	-	+	0
	_	0		_	0
		2,500			2,500
1,000	1	1,000	1,000	1	1,000
150	1	150	150	1	150
1,200	.1	1,200	1,200	1	1,200
75	2	150	75	2	150
		6,300			6,300
6,000	-1	6,000	6,000	1	6,000
200	1	200	200	1	200
100	1	100	100	1	100
		2,047		100	2,452
	1	2,047	2,452	1	2,452

NEWTON PUBLIC SCHOOLS	М	MASON-RICE			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL		
DINING & FOOD SERVICE			1,035		
Cafeteria / Dining	Lin	uses auditorium			
Stage		hin Audito			
Chair / Table / Equipment Storage	-				
Kitchen	425	-1	425		
Staff Lunch Room	610	1	610		
MEDICAL			200		
Medical Suite Toilet			- 0		
Nurses' Office / Waiting Room	200	-1	200		
Examination Room / Resting	200	-	0		
ADMINISTRATION & GUIDANCE			1,350		
General Office / Waiting Room with Toilet	285	1	285		
Teachers' Mail and Time Room	203		0		
Copy Room		in Corridor			
Records Room	50	1	50		
Principal's Office with Conference Area	150	1	150		
Principal's Secretary / Waiting	130		0		
Assistant Principal's Office	_		0		
Supervisory / Spare Office (ASP)	_		0		
Conference Boom			0		
Guidance Office			0		
Guidance Storeroom			0		
Teachers' Work Room			0		
METCO	-	1) within S			
SEL Coach / Intervention (can share space)	690	1	690		
Wellness / Nursing Room	175	1	175		
USTODIAL & MAINTENANCE			930		
Custodian's Office	145	1	145		
Custodian's Workshop	879		0		
Custodian's Storage	65	2	130		
Recycling Room / Trash	- 00	-	0		
Receiving and General Supply			0		
Storeroom			0		
Network / Telecom Room	400	1	400		
Misc. Storage Rooms	64	4	255		
OTHER			4,095		
Auditorium	2,260	1	2,260		
Stage	355	1	355		
After School Program (ASP)/Office	1,480	1	1,480		
ASP Storage	12.00		0		
Assoc Dir of Elem Educ					
Sp. Educ Asst Director					
District Storage					
Total Building Net Floor Area (NFA)			33,610		
Enrollment			334		
Total Building Gross Floor Area (GFA) <sup>3</sup>			50,440		
Grossing Factor (GFA / NFA)			1.50		

PS EDUCATIONAL PROGRAM 14 CRs = 306-322 Students)			(18 CRs =	396-414	Students)
# OF OOMS	ROOM NFA <sup>1</sup>	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
		5,257			5,962
1	2,295	2,295	2,970	1	2,97
1	1,000	1,000	1,000	1	1,00
1	302	302	332	1	33
1	1,460	1,460	1,460	1	1,46
1	200	200	200	1	20
		410			411
1	60	60	60	1	
1	250	250	250	1	25
1	100	100	100	1	10
		2,080			2,08
-1	650	650	650	1	65
in gen		office		uded in gen.	
in gen				uded in gen.	
1	80	80	80	1	
1	300	300	300	1	- 30
in gen	inclu	office	indi	uded in gen.	office
1	150	150	150	1	15
1	250	250	250	1	2
-		. 0		_	
	2227	0		-	-
2	200	400	200	2	40
1	150	150	150	1	15
1	100	100	100	1	10
		1,750			1,750
1	100	100	100	1	11
		0			
1	500	500	500	1	. 56
1	700	700	700	1	-71
ed in at	inc	ove	in	cluded in at	ove
1	200	200	200	1	20
1	250	250	250	1	25
		0			-
		1,250			1,250
		0			
1	1,000	1,000	1,000	1	1,00
1	250	250	250	1	25
	700000	0		_	
_				-	
-		0	_	_	
_				-	-
		39,969			44,87
		306			396
		59,953			67,311
		1.50			1.50



#### Memorial-Spaulding – Lower Floor

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM
BCBA - BEHAVIOR ANALYST
B.O. - BREAK-OUT / SMALL GROUP
C / CUST - CUSTODIAL
CAF- CAFETERIA
CR - CLASSROOM

ELL – ENGLISH LANGUAGE LEARNER K – KINDERGARTEDN

LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

O / OFF - OFFICE OT - OCCUPATION

OT - OCCUPATIONAL THERAPY
PSY - PSYCHOLOGIST

S / STOR - STORAGE

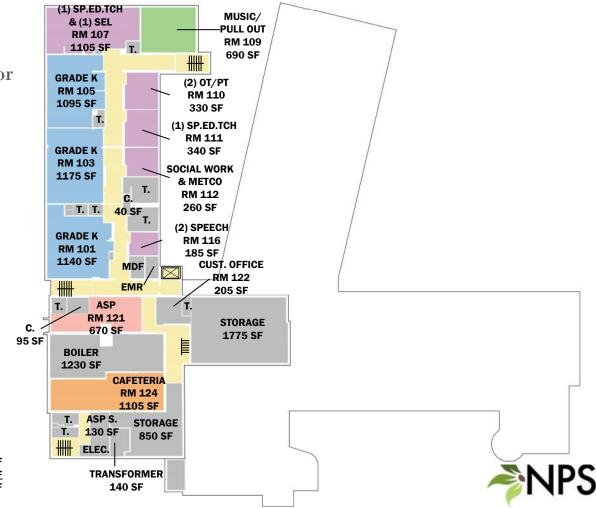
SEL - SOCIAL-EMOTIONAL LEARNING SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET

TM - TEAM SPECIALIST

MAIN FLOOR 45,525 GSF LOWER FLOOR 18,950 GSF 64,475 GSF





#### $Memorial-Spaulding-Main\ Floor$

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM
BCBA - BEHAVIOR ANALYST
B.O. - BREAK-OUT / SMALL GROUP
C / CUST - CUSTODIAL
CAF - CAFETERIA
CR - CLASSROOM
ELL - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN

LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL 0 / OFF - OFFICE

OT - OCCUPATIONAL THERAPY

PSY - PSYCHOLOGIST

S / STOR - STORAGE SEL - SOCIAL-EMOTIONAL LEARNING

SEL - SOCIAL-EMOTIONAL LEARNING SP.ED.TCH - SPECIAL EDUCATION TEACHING

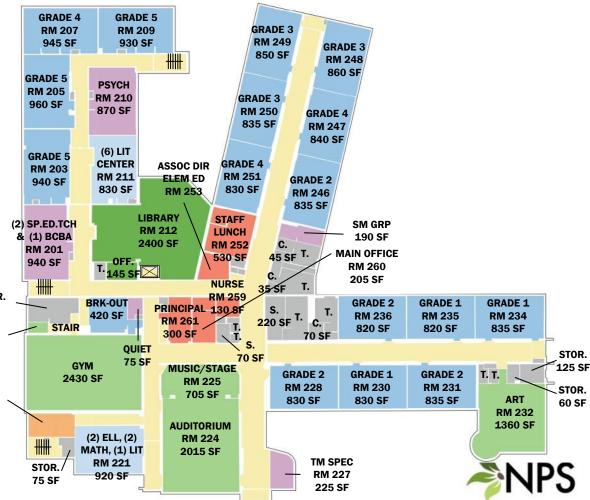
SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET

TM - TEAM SPECIALIST



MAIN FLOOR 45,525 GSF LOWER FLOOR 18,950 GSF 64,475 GSF





### $Memorial - Spaulding - Space\ Summary$

NEWTON PUBLIC SCHOOLS	MEMORIAL-SPAULDING			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL	
DRE ACADEMIC		19	18,955	
Kindergarten Classroom	1,137	3	3,41	
Modular Kindergarten Classrooms			9	
General Classroom (Grades 1-6)	862	16	13,79	
Modular General Classrooms				
Science/Techn/Engineering (STE) Room (Gr.3-6)				
STE Storage Room (if applicable)			1	
ELL (in modular at Bowen)	920	1	92	
Literacy Center / Books	830	1	83	
Literacy Specialist	(6) within	Lit Ctr, (1)	within ELL	
Math Coach	(2) within ELL Room			
ECIAL EDUCATION			4,940	
Special Education Teaching	1.023	2	2,04	
	340	1	34	
Break-Out/Small Group	305	2	61	
OT/PT	330	1	33	
OT/PT Office				
Quiet	75	1	7	
Speech and Language	185	1	185	
Team Specialist + IEP Conference	225	1	22	
Psychologist (incl testing/storage)	870	1	870	
Psych - Play to Learn			100	
Social Worker	260	1	26	
Behavioral / BCBA	(1) wit	hin Sp. Ed.	Teaching	
Bridge Program Classroom (K-2 & 3-5)		70.	1	
Bridge Program Storage				
Reflections Program (K-2)				
STRIDE Program (K & 1-3)			9	
RT & MUSIC			2,235	
Art Classroom (25 seats)	1,360	1	1,360	
Art Workroom with Storage and Kiln	93	2	181	
Music Classroom (modular at Mason-Rice)	Uses	Auditorium	/Stage	
Music Practice / Ensemble	690	1	690	
ALTH & PHYSICAL EDUCATION			2,815	
Gymnasium	2,430	1	2,430	
Gym Storeroom	325	1	325	
Health Instructor's Office with Shower and Tollet	60	1	66	
EDIA CENTER / LIBRARY			2,545	
Media Center / Reading Room	2,545	1	2,549	

		PROGRAM Students)			PROGRAM Students)
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS
	14	14,725		18	18,525
1,100	3	3,300	1,100	4	4,400
	1	0		1	0
900	11	9,900	900	14	12,600
	1 8	0	-	1	
		o			0
		0		$\vdash$	0
300	1	300	300	1	300
900	1	900	900	1	900
175	1	175	175	1	175
150	1	150	150	1	150
		3,650			3,650
225	4	900	225	4.	900
	1 - 3	0			
125	6	750	125	6	750
425	1	425	425	1	425
175	1	175	175	1	175
100	3	300	100	3	300
250	1	250	250	1	250
400	1	400	400	1	400
150	1	150	150	1	150
		0		-	0
150	1	150	150	1	150
150	1	150	150	1	150
	1	0		-	0
	1	0	-	-	0
	-	0		-	0
	A S	2,500	e.C	4	2,500
1,000	1	1,000	1,000	1 1	1,000
150	1	150	150	1 1	150
1,200	1	1.200	1,200	1	1,200
75	2	150	75	2	150
	-	6,300		-	6,300
6,000	1	6,000	6,000	1 1	6,000
200	1	200	200	1	200
100	1	100	100	1	100
	- S	2,047	7	-	2,452
2.047		2.047	2 452	T .	2,452
2,047	1	2,047	2,452	1	2,452

NEWTON PUBLIC SCHOOLS	MEMO	RIAL-SI	PAULDING
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
DINING & FOOD SERVICE			1,935
Cafeteria / Dining	1,105	- 1	1,105
Stage		nin Auditor	
Chair / Table / Equipment Storage			- 0
Kitchen	300	1	300
Staff Lunch Room	530	1	530
MEDICAL		-	130
Medical Suite Toilet	-		
Nurses' Office / Waiting Room	130	1	130
Examination Room / Resting		-	0
ADMINISTRATION & GUIDANCE	- 1		560
General Office / Waiting Room with Toilet	260	1	260
Teachers' Mail and Time Room	200		
Copy Room			
Records Room			-
Principal's Office with Conference Area	300	1	300
Principal's Secretary / Waiting	300	-	- (
Assistant Principal's Office			-
Supervisory / Spare Office (ASP)	- 1		
Conference Room	0.00		
Guidance Office			-
Guidance Storeroom			-
Teachers' Work Room			
METCO	within Social Worker		
SEL Coach / Intervention (can share space)		Learning	
Wellness / Nursing Room			-
CUSTODIAL & MAINTENANCE			3,560
Custodian's Office	205	1	205
Custodian's Workshop		-	
Custodian's Storage	57	5	285
Recycling Room / Trash			
Receiving and General Supply			
Storeroom			-
Network / Telecom Room	80	1	80
Misc. Storage Rooms	598	5	2,990
DTHER	-		3,720
Auditorium	2.015	1	2.015
Stage	705	1	705
After School Program (ASP)/Office	670	1	670
ASP Storage	130	1	130
Assoc Dir of Elem Educ	200	1	200
Sp. Educ Asst Director			
District Storage			
			-
Total Building Net Floor Area (NFA)			41,395
Enrollment	_		369
Total Building Gross Floor Area (GFA)			64,475

PS EDUCATIONAL PROGRAM 14 CRs = 306-322 Students)			NPS EDUCATIONAL PROGRAM (18 CRs = 396-414 Students)			
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL	
		5,257			5,962	
2,295	1	2,295	2,970	1	2,97	
1,000	1	1,000	1,000	1	1,00	
302	1	302	332	1	33	
1,460	1	1,460	1,460	1	1,46	
200	1	200	200	1	20	
		410			41	
60	1	60	60	1		
250	1	250	250	1	25	
100	1	100	100	1	- 10	
		2,080			2,08	
650	-1	650	60 650 1			
inclu	ided in gen	office	included in gen. office			
inch	ided in gen	office	ind	uded in gen.	office	
80	1	80	80	1		
300	-1	300	300	1	3(	
included in gen, office			included in gen. office			
150	1	150	150	1	1	
250	1	250	250	1	21	
	-	0		_		
		0		_		
200	2	400	200	2	40	
150	1	150	150	1	1	
100	1	100	100	1	10	
		1,750			1,75	
100	1	100	100	1	1	
	-	0		1		
500	1	500	500	1	56	
700	1	700	700	1	71	
ine	luded in at	ove	in	cluded in at	ove	
200	1	200	200	1	2	
250	1	250	250	1	2	
1110000		0				
		1,250			1,25	
		0				
1,000	1	1,000	1,000	1	1,0	
250	1	250	250	1	25	
		0		-	_	
		0				
		39,969		-	44,87	
		39,909			39	
		59,953		1	67,31	



#### Peirce – Lower Floor

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM
BCBA - BEHAVIOR ANALYST
B.O. - BREAK-OUT / SMALL GROUP
C / CUST- CUSTODIAL

CAF- CAFETERIA CR - CLASSROOM

ELL - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN

LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

O / OFF - OFFICE

OT - OCCUPATIONAL THERAPY

PSY - PSYCHOLOGIST

S / STOR - STORAGE

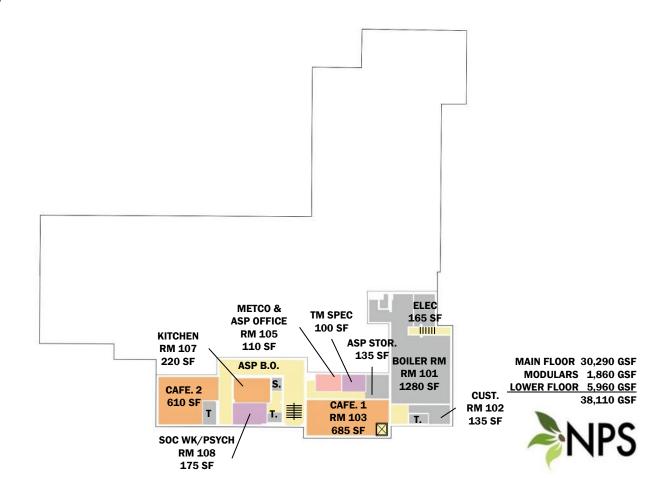
SEL - SOCIAL-EMOTIONAL LEARNING

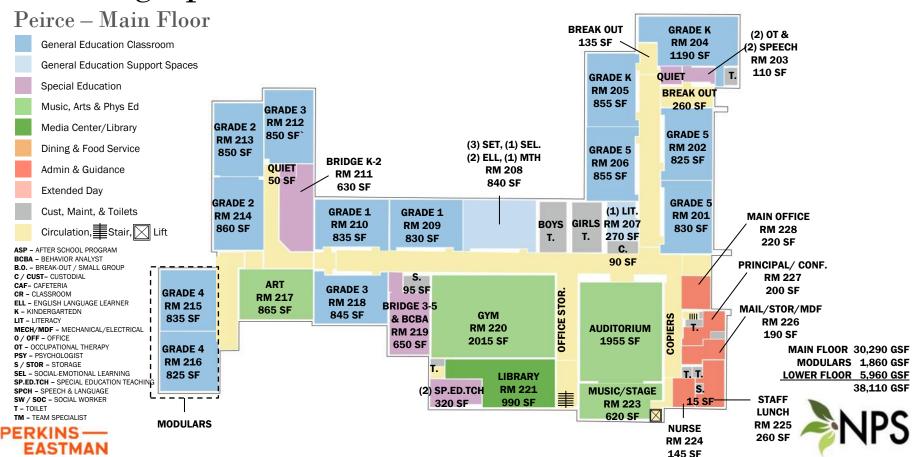
SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET







### Peirce – Space Summary

NEWTON PUBLIC SCHOOLS	PEIRCE			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL	
DRE ACADEMIC		13	11,555	
Kindergarten Classroom	1,023	2	2,045	
Modular Kindergarten Classrooms				
General Classroom (Grades 1-6)	842	9	7,58	
Modular General Classrooms	#30	2	1,66	
Science/Techn/Engineering (STE) Room (Gr.3-6)				
STE Storage Room (if applicable)				
ELL (in modular at Bowen)	(2) with	hin Sp. Ed.	Teaching	
Literacy Center / Books	270	1	27	
Literacy Specialist	(1) wit	fvin Literaac	cyCenter	
Math Coach	(1) within Learning Center			
ECIAL EDUCATION	3,0			
Special Education Teaching	840	1	84	
- Control of the Cont	320	1	32	
Break-Out/Small Group	- (	3) in Corrid	ors	
OT/PT	110	1	111	
OT/PT Office	1		100	
Quiet	50	2	10	
Speech and Language	[2	within OT	/PT	
Team Specialist + IEP Conference	100	1	10	
Psychologist (incl testing/storage)	175	. 1	17	
Psych - Play to Learn				
Social Worker	(1) 50	c within Ps	ych Off	
Behavioral / BCBA	wit	thin BRIDGE	3-5	
Bridge Program Classroom (K-2 & 3-5)	640	2	1,28	
Bridge Program Storage	95	1	9	
Reflections Program (K-2)				
STRIDE Program (K & 1-3)				
IT & MUSIC			865	
Art Classroom (25 seats)	865	1	86	
Art Workroom with Storage and Kiln				
Music Classroom (modular at Mason-Rice)	Uses	Auditorium	1/Stage	
Music Practice / Ensemble				
EALTH & PHYSICAL EDUCATION	2,013			
Gymnasium	2,015	1	2,01	
Gym Storeroom	1 2			
Health Instructor's Office with Shower and Toilet				
EDIA CENTER / LIBRARY			990	
Media Center / Reading Room	990	1	99	

	NPS EDUCATIONAL PROGRAM (14 CRs = 306-322 Students)				PROGRAM Students)
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS
	14	14,725		18	18,525
1,100	3	3,300	1,100	4	4,400
. 13.0	-	0		-	
900	11	9,900	900	14	12,600
	-	o		-	
	-			+	
		0			0
		0			0
300	1	300	300	1	300
900	1	900	900	1	900
175	1	175	175	1	175
150	1	150	150	1	150
		3,650			3,650
225	- 4	900	225	4.	900
	1 5	0	3		0
125	- 6	750	125	6	750
425	1	425	425	1	425
175	-1	175	175	1	175
100	3	300	100	3	300
250 400	1	250	250 400	1	250
150	1	150	150	1	150
190	-	130	150	1	130
150	1	150	150	1	150
150	1	150	150	1	150
	1000	0	7 1000		0
		0			. 0
		0	3		0
		0			0
		2,500			2,500
1,000	1	1,000	1,000	1	1,000
150	1	150	150	1	150
1,200	1	1,200	1,200	1	1,200
75	2	150	75	2	150
		6,300		200	6,300
6,000	-1	6,000	6,000	1	6,000
200	1	200	200	1	200
100	1	100	100	1	100
1000000		2,047			2,452
2,047	1	2,047	2,452	1	2,452

NEWTON PUBLIC SCHOOLS		PEIRCE			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL		
DINING & FOOD SERVICE			1,775		
Cafeteria / Dining	648	2	1,29		
Stage	wit	hin Audito			
Chair / Table / Equipment Storage			0		
Kitchen	220	1	22		
Staff Lunch Room	260	1	26		
MEDICAL			170		
Medical Suite Toilet	25	1	2		
Nurses' Office / Waiting Room	145	1	14		
Examination Room / Resting					
ADMINISTRATION & GUIDANCE			610		
General Office / Walting Room with Toilet	220	1.	22		
Teachers' Mail and Time Room	190	1	19		
Copy Room		in Corridor	5		
Records Room		in Corridor			
Principal's Office with Conference Area	200	20			
Principal's Secretary / Waiting		-			
Assistant Principal's Office					
Supervisory / Spare Office (ASP)					
Conference Room					
Guidance Office					
Guidance Storeroom					
Teachers' Work Room					
METCO	within ASP Office				
SEL Coach / Intervention (can share space)	(1) with	in Learnin	g Center		
Wellness / Nursing Room					
USTODIAL & MAINTENANCE			225		
Custodian's Office	135	1	13		
Custodian's Workshop					
Custodian's Storage	90	1	9		
Recycling Room / Trash			1 3		
Receiving and General Supply					
Storeroom					
Network / Telecom Room	wit	hin Mail Re	oom		
Misc. Storage Rooms			30		
THER			2,820		
Auditorium	1,955	1	1,95		
Stage	620	1	62		
After School Program (ASP)/Office	110	1	11		
ASP Storage	135	1	13		
Assoc Dir of Elem Educ					
Sp. Educ Asst Director					
District Storage					
Total Building Net Floor Area (NFA)			24,045		
Enrollment			236		
Total Building Gross Floor Area (GFA) <sup>3</sup>	_		38,110		
Grossing Factor (GFA / NFA)			1.58		

PS EDUCATIONAL PROGRAM 14 CRs = 306-322 Students)		(18 CRs = 396-414 Students)			
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
		5,257			5,962
2,295	1	2,295	2,970	1	2,97
1,000	1	1,000	1,000	1	1,00
302	1	302	332	1	33
1,460	1	1,460	1,460	1	1,46
200	1	200	200	1	20
		410			411
60	1	60	60	1	
250	1	250	250	1	25
100	1	100	100	1	10
		2,080			2,08
650	-1	650	650	1	65
	ided in gen.			uded in gen.	
	ded in gen.			uded in gen.	
80	1	80	80	1	
300	1	300	300	1	- 30
inclu	ded in gen.	office	ind	uded in gen	office
150	1	150	150	1	15
250	1	250	250	1	25
		0		-	
220	-	0	1,000	-	-
200	2	400	200	2	40
150	1	150	150	1	15
100	1	100	100	1	10
		1,750			1,750
100	1	100	100	1	11
		0		1	
500	1	500	500	1	56
700	1	700	700	1	70
inc	luded in at	ove	id	cluded in at	ove
200	1	.200	200	1	- 20
250	1	250	250	1	25
		- 0			
		1,250			1,250
		0			
1,000	-1	1,000	1,000	1	1,00
250	1	250	250	1	25
		0		-	
			-	-	
		0	_		
				-	
		39,969			44,87
		306			39
		59,953			67,311
		1.50			1.50



#### Underwood – Lower Floor

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM
BCBA - BEHAVIOR ANALYST
B.O. - BREAK-OUT / SMALL GROUP
C / CUST- CUSTODIAL

CAF- CAFETERIA CR - CLASSROOM

**ELL** - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN

LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

0 / OFF - OFFICE

OT - OCCUPATIONAL THERAPY
PSY - PSYCHOLOGIST

S / STOR - STORAGE

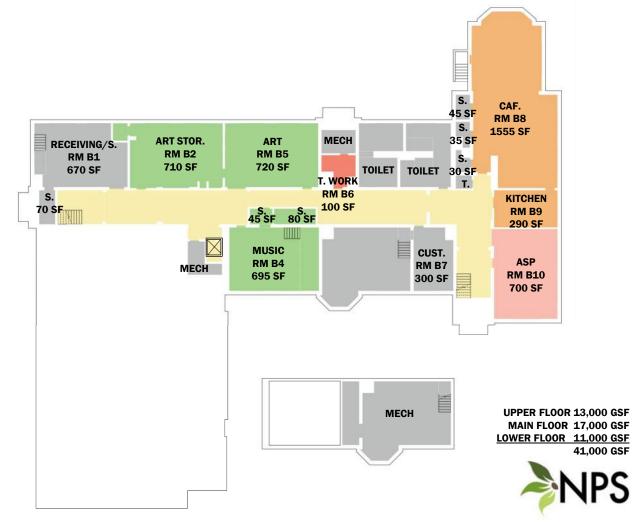
SEL - SOCIAL-EMOTIONAL LEARNING

SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET





#### Underwood – Main Floor

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM
BCBA - BEHAVIOR ANALYST
B.O. - BREAK-OUT / SMALL GROUP

C / CUST- CUSTODIAL CAF- CAFETERIA CR - CLASSROOM

ELL - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN

LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

O / OFF - OFFICE

OT - OCCUPATIONAL THERAPY
PSY - PSYCHOLOGIST

S / STOR - STORAGE

SEL - SOCIAL-EMOTIONAL LEARNING

SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET





#### $Underwood-Upper\ Floor$

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM
BCBA - BEHAVIOR ANALYST
B.O. - BREAK-OUT / SMALL GROUP
C / CUST - CUSTODIAL

CAF- CAFETERIA CR - CLASSROOM

**ELL** - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN

LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

0 / OFF - OFFICE

OT - OCCUPATIONAL THERAPY

PSY - PSYCHOLOGIST S / STOR - STORAGE

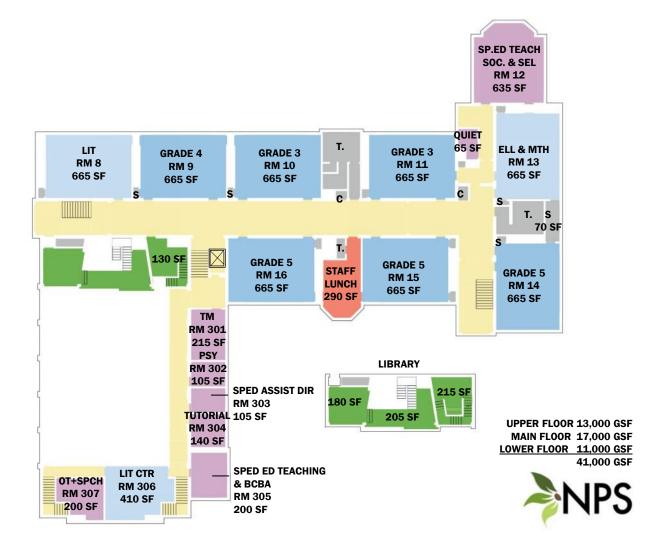
SEL - SOCIAL-EMOTIONAL LEARNING

SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET





### Underwood – Space Summary

NEWTON PUBLIC SCHOOLS	U	UNDERWOOD			
ROOM TYPE	ROOM NFA <sup>3</sup>	# OF ROOMS	AREA TOTAL		
DRE ACADEMIC		12	10,610		
Kindergarten Classroom	1,110	2	2,220		
Modular Kindergarten Classrooms			-		
General Classroom (Grades 1-6)	665	10	6,69		
Modular General Classrooms					
Science/Techn/Engineering (STE) Room (Gr.3-6)			- 8		
STE Storage Room (if applicable)			1		
ELL (in modular at Bowen)	665	1	66		
Literacy Center / Books	410	1	41		
Literacy Specialist	665	1	66		
Math Coach	within ELL room				
PECIAL EDUCATION	1				
Special Education Teaching	635	1	63		
	200	1	20		
Break-Out/5mall Group					
OT/PT	200	1	20		
OT/PT Office	-				
Quiet	65	1	6		
Speech and Language		within OT/	PT		
Team Specialist + IEP Conference	215	. 1	21		
Psychologist (incl testing/storage)	105	1	10		
Psych - Play to Learn					
Social Worker	withi	n Sp. Ed. Te	eaching		
Behavioral / BCBA	withi	n Sp. Ed. Te	eaching		
Bridge Program Classroom (K-2 & 3-5)		1500			
Bridge Program Storage			100		
Reflections Program (K-2)					
STRIDE Program (K & 1-3)			170		
RT & MUSIC			2,250		
Art Classroom (25 seats)	720	1	72		
Art Workroom with Storage and Kiln	710	1	71		
Music Classroom (modular at Mason-Rice)	695	1	69		
Music Practice / Ensemble	125	1	12		
EALTH & PHYSICAL EDUCATION		3,615			
Gymnasium	3,025	1	3,02		
Gym Storeroom	415	1	41		
Health Instructor's Office with Shower and Tollet	175	1	175		
EDIA CENTER / LIBRARY			1,570		
Media Center / Reading Room	1,570	1	1,570		

		PROGRAM Students)	NPS EDUC (18 CRs		Students)	
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	
	14	14,725		18	18,525	
1,100	3	3,300	1,100	4	4,400	
		0			0	
900	11	9,900	900	14	12,600	
	1	0			0	
		o			0	
		0			0	
300	1	300	300	1	300	
900	1	900	900	1	900	
175	1	175	175	1	175	
150	1	150	150	1	150	
	3,650					
225	- 4	900	225	4	900	
	1 3	.0			0	
125	6	750	125	6	750	
425	1	425	425	1	425	
175	-1	175	175	1	175	
100	3	300	100	3	300	
250	1	250	250	1	250	
400	1	400	400	1	400	
150	1	150	150	1	150	
-		0		-	0	
150	1	150	150	1	150	
150	1	150	150	1	150	
		0		-	0	
	-	0	-	-	0	
	-	0		+	0	
		2,500	d .		2,500	
1,000	1	1,000	1,000	1 1	1,000	
150	1	150	150	1	150	
1,200	1	1,200	1,200	1	1,200	
75	2	150	75	2	150	
		6,300			6,300	
6,000	-1	6,000	6,000	1 1	6,000	
200	1	200	200	1	200	
100	1	100	100	1	100	
		2,047			2,452	
2,047	1	2,047	2,452	1	2,452	

NEWTON PUBLIC SCHOOLS	UI	UNDERWOOD			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL		
INING & FOOD SERVICE			2,135		
Cafeteria / Dining	1,555	1	1,55		
Stage		3 -	200		
Chair / Table / Equipment Storage					
Kitchen	290	1	29		
Staff Lunch Room	290	1	29		
EDICAL		100	650		
Medical Suite Toilet	_				
Nurses' Office / Waiting Room	310	1	31		
Examination Room / Resting	340	1	34		
OMINISTRATION & GUIDANCE			1,085		
General Office / Walting Room with Toilet	485	1	T 48		
Teachers' Mail and Time Room	125	1	12		
Copy Room		cluded abo			
Records Room		TOUGEO AGE	T		
Principal's Office with Conference Area	215	1	21		
Principal's Secretary / Waiting	- 213	-			
Assistant Principal's Office					
Supervisory / Spare Office (ASP)			_		
Conference Room	160	1	16		
Guidance Office	100	-	-		
Guidance Storeroom					
Teachers' Work Room	100	1	10		
METCO	200	-			
SEL Coach / Intervention (can share space)	within Sp. Ed. Teaching				
Wellness / Nursing Room		1	I		
STODIAL & MAINTENANCE			1,220		
Custodian's Office		_	1		
Custodian's Workshop			_		
Custodian's Storage	174	7	1,22		
Recycling Room / Trash	114	-	4,44		
Receiving and General Supply					
Storeroom			_		
Network / Telecom Room	_				
Misc. Storage Rooms					
THER			805		
Auditorium	_	o mudike "			
	no auditorium				
Stage	700		70		
After School Program (ASP)/Office ASP Storage	700	1	70		
Assoc Dir of Elem Educ	_	-			
Sp. Educ Asst Director	105	1	10		
District Storage	105	1	10		
Dankt storage			_		
Total Building Net Floor Area (NFA)	_		25,360		
Enrollment			247		
Total Building Gross Floor Area (GFA) <sup>2</sup>		2	41,000		
Grossing Factor (GFA / NFA)			1.62		

		PROGRAM Students)	NPS EDUCATIONAL PROGRA (18 CRs = 396-414 Students			
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL	
		5,257			5,962	
2,295	1	2,295	2,970	1	2,97	
1,000	1	1,000	1,000	1	1,00	
302	1	302	332	1	33	
1,460	1	1,460	1,460	1	1,46	
200	1	200	200	1	20	
		410			41	
60	1	60	60	1		
250	1	250	250	1	25	
100	1	100	100	1	- 10	
		2,080			2,08	
650	-1	650	0 650 1			
inclu	ided in gen	office	included in gen. office			
inch	ided in gen	office	included in gen. office			
80	1	80	80	1		
300	-1	300	300	1	3(	
included in gen, office			included in gen. office			
150	1	150	150	1	1	
250	1	250	250	1	21	
	-	0		_		
		0		_		
200	2	400	200	2	40	
150	1	150	150	1	1	
100	1	100	100	1	10	
		1,750			1,75	
100	1	100	100	1	1	
	-	0		1		
500	1	500	500	1	56	
700	1	700	700	1	70	
ine	luded in at	ove	in	cluded in at	ove	
200	1	200	200	1	2	
250	1	250	250	1	2	
1110000		0				
		1,250			1,25	
		0				
1,000	1	1,000	1,000	1	1,0	
250	1	250	250	1	25	
		0		-	_	
		0				
		39,969		-	44,87	
		39,909			39	
		59,953		1	67,31	



#### **Existing Spaces** Ward – Lower Floor General Education Classroom **General Education Support Spaces** Special Education Music, Arts & Phys Ed Media Center/Library Dining & Food Service Admin & Guidance Extended Day Cust, Maint, & Toilets S. **ASP** 200 SF Circulation, Stair, Lift MUSIC 625 SF 765 SF ASP - AFTER SCHOOL PROGRAM **LIT & MATH** CUST. S. **BCBA** - BEHAVIOR ANALYST **RM 18** 165 SF 55 SF B.O. - BREAK-OUT / SMALL GROUP 775 SF C / CUST- CUSTODIAL CAF- CAFETERIA OT/PT CR - CLASSROOM CAF RM 19 ELL - ENGLISH LANGUAGE LEARNER KILN 1285 SF K - KINDERGARTEDN KITCH 890 SF 80 SF LIT - LITERACY **MECH** 300 SF MECH/MDF - MECHANICAL/ELECTRICAL S. **ATTIC 5.800 GSF** 0 / OFF - OFFICE 280 SF OT - OCCUPATIONAL THERAPY **UPPER FLOOR 9.000 GSF** PSY - PSYCHOLOGIST MAIN FLOOR 20,400 GSF S / STOR - STORAGE SEL - SOCIAL-EMOTIONAL LEARNING LOWER FLOOR 9,000 GSF S. SP.ED.TCH - SPECIAL EDUCATION TEACHING 44,200 GSF SPCH - SPEECH & LANGUAGE 305 SF SW / SOC - SOCIAL WORKER T - TOILET TM - TEAM SPECIALIST

#### **ELL** OFF. 200 SF 160 SF 95 SF **Existing Spaces GRADE K RM 17** 870 SF MP/GYM STAGE Ward – Main Floor 2520 SF 650 SF General Education Classroom **General Education Support Spaces GRADE K** T. 115 SF Special Education **RM 16** 870 SF Music, Arts & Phys Ed T. Media Center/Library Dining & Food Service C SEL/LIT & 30 SF **BCBA** Admin & Guidance **RM 13** 635 SF Extended Day LIBRARY Cust. Maint. & Toilets 1445 SF **GRADE 1** QUIET T. S **GRADE 1** Circulation, Stair, Lift 65 SF **RM 12** s **RM 11** STAFF WRK 685 SF **GRADE 2** 685 SF 165 SF ASP - AFTER SCHOOL PROGRAM **BCBA** - BEHAVIOR ANALYST SS **RM 14** TM. B.O. - BREAK-OUT / SMALL GROUP 670 SF 305 SF C / CUST- CUSTODIAL CAF- CAFETERIA QUIET CR - CLASSROOM 10 **GRADE 2** COPY 65 SF ELL - ENGLISH LANGUAGE LEARNER SOC. **RM 15** MAIN OFF 120 SF K - KINDERGARTEDN 85 SF WORK STAFF LUNCH LIT - LITERACY 685 SF T. MECH/MDF - MECHANICAL/ELECTRICAL 380 SF 280 SF RM 10 525 SF **ATTIC 5.800 GSF** O / OFF - OFFICE UNASSIGN. 325 SF OT - OCCUPATIONAL THERAPY **UPPER FLOOR 9.000 GSF** OFF/NURSING PSY - PSYCHOLOGIST 35 MAIN FLOOR 20,400 GSF S / STOR - STORAGE NURSE SEL - SOCIAL-EMOTIONAL LEARNING LOWER FLOOR 9,000 GSF SP.ED.TCH - SPECIAL EDUCATION TEACHING **RM 10** 44,200 GSF SPCH - SPEECH & LANGUAGE 350 SF SW / SOC - SOCIAL WORKER T - TOILET TM - TEAM SPECIALIST



#### Ward – Upper Floor

General Education Classroom

General Education Support Spaces

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP – AFTER SCHOOL PROGRAM
BCBA – BEHAVIOR ANALYST
B.O. – BREAK-OUT / SMALL GROUP
C / CUST – CUSTODIAL
CAF – CAFETERIA
CR – CLASSROOM
ELL – ENGLISH LANGUAGE LEARNER
K – KINDERGARTEDN
LIT – LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

O / OFF - OFFICE OT - OCCUPATIONAL THERAPY PSY - PSYCHOLOGIST

S / STOR - STORAGE

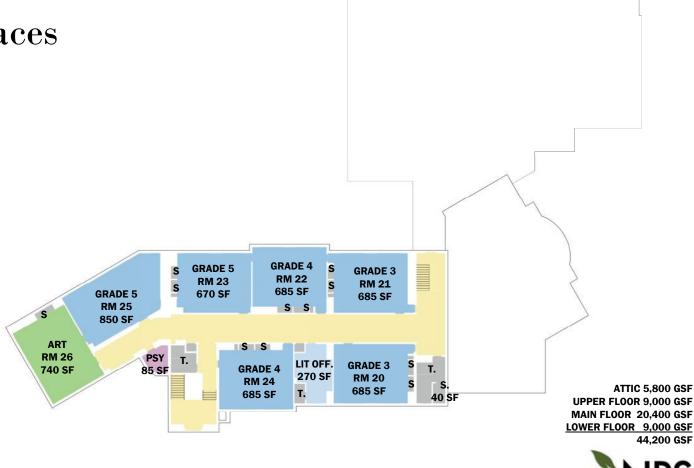
SEL - SOCIAL-EMOTIONAL LEARNING

SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET







### $Ward-Space\ Summary$

NEWTON PUBLIC SCHOOLS		WARD			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL		
DRE ACADEMIC		12	9,970		
Kindergarten Classroom	870	2	1,74		
Modular Kindergarten Classrooms			- 1		
General Classroom (Grades 1-6)	699	10	6,98		
Modular General Classrooms	_				
Science/Techn/Engineering (STE) Room (Gr.3-6)					
STE Storage Room (if applicable)					
ELL (in modular at Sowen)	200	1	20		
Literacy Center / Books	775	1	77		
Literacy Specialist	270	1	27		
Math Coach	within Lit room				
ECIAL EDUCATION	1				
Special Education Teaching			1 1		
Break-Out/Small Group			99		
OT/PT	890	1	89		
OT/PT Office			- 0		
Quiet	65	2	13		
Speech and Language					
Team Specialist + IEP Conference	305	1	30		
Psychologist (incl testing/storage)	85	1	. 8		
Psych - Play to Learn					
Social Worker	325	1	32		
Behavioral / BCBA	withi	n SEL (see /	Admin)		
Bridge Program Classroom (K-2 & 3-5)					
Bridge Program Storage			9		
Reflections Program (K-2)			- 0		
STRIDE Program (K & 1-3)			9		
IT & MUSIC			1,640		
Art Classroom (25 seats)	740	1	74		
Art Workroom with Storage and Kiln	80	1	8		
Music Classroom (modular at Mason-Rice)	765	1	76		
Music Practice / Ensemble	55	1.	5		
ALTH & PHYSICAL EDUCATION		2,890			
Gymnasium	2,520	1	2,52		
Gym Storeroom	105	2	21		
Health Instructor's Office with Shower and Tollet	160	1	160		
EDIA CENTER / LIBRARY			1,645		
Media Center / Reading Room	1.645	1	1,64		

ROOM			20011	1	_
NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL
	14	14,725	18 1		
1,100	3	3,300	1,100	4	4,400
		0		_	-
900	11	9,900	900	14	12,600
		0		_	
		o			- 1
		0		+	
300	1	300	300	1	300
900	1	900	900	1	900
175	1	175	175	1	17
150	1	150	150	1	150
		3,650			
225	- 4	900	225	4.	90
	1 8	0			
125	- 6	750	125	6	750
425	1	425	425	1	42
175	-1	175	175	1	17
100	3	300	100	3	30
250	1	250	250	1	25
400	1	400	400	1	40
150	1	150	150	1	15
		0			
150	1	150	150	1	15
150	1	150	150	1	15
	1 1	0			
		0		_	0.0
		o		-	
	1 5	2,500		4	2,500
1,000	1	1,000	1,000	1	1,00
150	1	150	150	1	15
1,200	1	1,200	1,200	1	1,20
75	2	150	75	2	15
		6,300			6,300
6,000	-1	6,000	6,000	1	6,00
200	1	200	200	1	20
100	1	100	100	1	10
	-	2,047			2,452

NEWTON PUBLIC SCHOOLS		WARD			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTAL		
DINING & FOOD SERVICE	2,1				
Cafeteria / Dining	1,285	1	1,28		
Stage		- 27			
Chair / Table / Equipment Storage					
Kitchen	300	1	30		
Staff Lunch Room	525	1	52		
MEDICAL			350		
Medical Suite Toilet					
Nurses' Office / Waiting Room	350	1	35		
Examination Room / Resting			1 3		
ADMINISTRATION & GUIDANCE			1,535		
General Office / Walting Room with Toilet	380	1	38		
Teachers' Mail and Time Room	120	1	12		
Copy Room	- k	cluded abo	ove .		
Records Room		T	1 3		
Principal's Office with Conference Area	280	1	28		
Principal's Secretary / Waiting					
Assistant Principal's Office					
Supervisory / Spare Office (ASP)			20		
Conference Room			1 1		
Guidance Office			1 3		
Guidance Storeroom	35	1			
Teachers' Work Room	within staff lunch		inch		
METCO					
SEL Coach / Intervention (can share space)	635	1	63		
Wellness / Nursing Room	85	1	8		
CUSTODIAL & MAINTENANCE			1,030		
Custodian's Office			7		
Custodian's Workshop			14		
Custodian's Storage	147	7.	1,03		
Recycling Room / Trash					
Receiving and General Supply			1 3		
Storeroom					
Network / Telecom Room			1 3		
Misc. Storage Rooms					
OTHER			1,275		
Auditorium	us	uses gymnasium			
Stage	650	1	65		
After School Program (ASP)/Office	625	1	62		
ASP Storage					
Assoc Dir of Elem Educ			1 3		
Sp. Educ Asst Director					
District Storage					
			-		
Total Building Net Floor Area (NFA)	_		24,180		
Enrollment	_		212		
Total Building Gross Floor Area (GFA)	_		44,200		
Grossing Factor (GFA / NFA)		1	1.83		

\$,962 2,97 1,00 33 1,46 20 410 6 25 10
2,97 1,00 33 1,46 20 410 6
1,00 33 1,46 20 410 6
1,00 33 1,46 20 410 6
33 1,46 20 410 6
410 6 25
410 6 25
6 25
25
10
2,080
65
office
office
8
30
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-
15
25
- 0
40
15
10
1,750
10
10
50
70
bove
20
25
1,250
1,00
25
44,879
396



#### Williams – Lower Floor

General Education Classroom

**General Education Support Spaces** 

Special Education

Music. Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust, Maint, & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM **BCBA** - BEHAVIOR ANALYST B.O. - BREAK-OUT / SMALL GROUP C / CUST- CUSTODIAL CAF- CAFETERIA

CR - CLASSROOM

ELL - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

0 / OFF - OFFICE OT - OCCUPATIONAL THERAPY

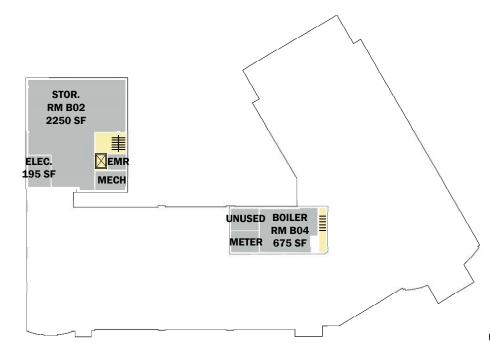
PSY - PSYCHOLOGIST S / STOR - STORAGE

SEL - SOCIAL-EMOTIONAL LEARNING

SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

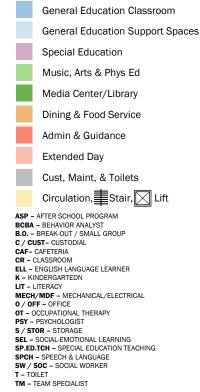


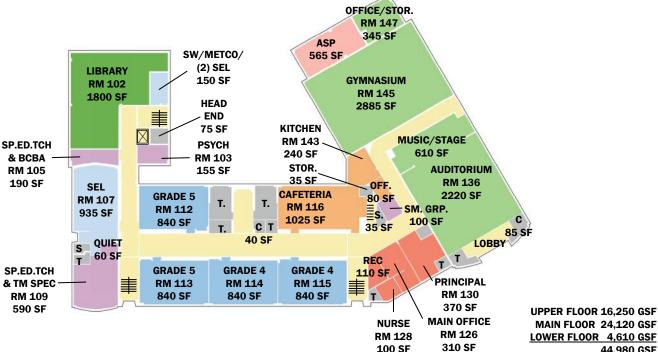


**UPPER FLOOR 16.250 GSF** MAIN FLOOR 24,120 GSF LOWER FLOOR 4,610 GSF 44,980 GSF



#### Williams – Main Floor







#### Williams – Upper Floor

General Education Classroom

**General Education Support Spaces** 

Special Education

Music, Arts & Phys Ed

Media Center/Library

Dining & Food Service

Admin & Guidance

Extended Day

Cust. Maint. & Toilets

Circulation, Stair, Lift

ASP - AFTER SCHOOL PROGRAM **BCBA** - BEHAVIOR ANALYST B.O. - BREAK-OUT / SMALL GROUP C / CUST- CUSTODIAL CAF- CAFETERIA CR - CLASSROOM ELL - ENGLISH LANGUAGE LEARNER

K - KINDERGARTEDN

LIT - LITERACY

MECH/MDF - MECHANICAL/ELECTRICAL

O / OFF - OFFICE OT - OCCUPATIONAL THERAPY

PSY - PSYCHOLOGIST

S / STOR - STORAGE

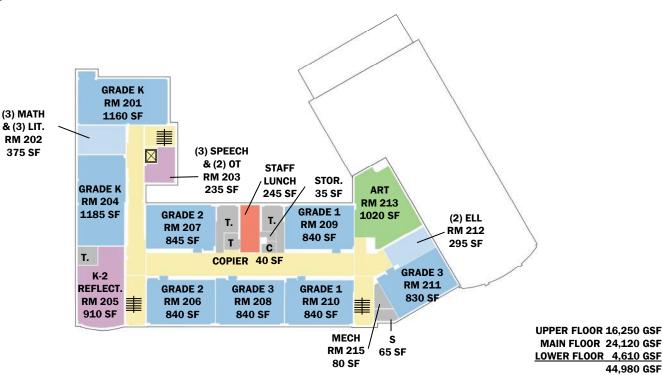
SEL - SOCIAL-EMOTIONAL LEARNING

SP.ED.TCH - SPECIAL EDUCATION TEACHING

SPCH - SPEECH & LANGUAGE SW / SOC - SOCIAL WORKER

T - TOILET

TM - TEAM SPECIALIST





44,980 GSF

#### Williams – Space Summary

NEWTON PUBLIC SCHOOLS		WILLIAMS			
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS		
ORE ACADEMIC		12	11,410		
Kindergarten Classroom	1,173	2	2,345		
Modular Kindergarten Classrooms			1.3		
General Classroom (Grades 1-6)	840	10	8,399		
Modular General Classrooms					
Science/Techn/Engineering (STE) Room (Gr.3-6)					
STE Storage Room (if applicable)			-		
ELL (in modular at Bowen)	295	1.	295		
Literacy Center / Books	375	1	37		
Literacy Specialist	(3) wit	hin Literacy	y Center		
Math Coach	(3) within Literacy Center				
PECIAL EDUCATION	2				
Special Education Teaching	590	1	59		
	190	1	19		
Break-Out/5mall Group	100	1	10		
OT/PT	(2) OT/PT within Speech				
OT/PT Office	100000		T		
Quiet	60	1	6		
Speech and Language	235	1	23		
Team Specialist + IEP Conference	(1) wit	hin Sp. Ed.	Teaching		
Psychologist (incl testing/storage)	155	1	15		
Psych - Play to Learn					
Social Worker	150	1	15		
Behavioral / BCBA	(1) wit	hin Sp. Ed.	Teaching		
Bridge Program Classroom (K-2 & 3-5)			17 19		
Bridge Program Storage					
Reflections Program (K-2)	910	1	91		
STRIDE Program (K & 1-3)			4		
RT & MUSIC			1,020		
Art Classroom (25 seats)	1,020	1	1,02		
Art Workroom with Storage and Kiln			. 0		
Music Classroom (modular at Mason-Rice)	Uses	Auditorium	/Stage		
Music Practice / Ensemble		T	-4		
EALTH & PHYSICAL EDUCATION		3,230			
Gymnasium	2,885	1	2,885		
Gym Storeroom	345	1	340		
Health Instructor's Office with Shower and Toilet	_	hin Store R			
MEDIA CENTER / LIBRARY			1,800		
Media Center / Reading Room	1,800	1	1,800		
weda center / resuing Abom	1,800	1	1,80		

		PROGRAM Students)			PROGRAM Students)
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS
	14	14,725	18 18		
1,100	3	3,300	1,100	4	4,400
	1	0		_	
900	11	9,900	900	14	12,600
	1 8	0	-	1	//0
		o			c
		0		$\vdash$	
300	1	300	300	1	300
900	1	900	900	1	900
175	1	175	175	1	175
150	1	150	150	1	150
		3,650		3,650	
225	4	900	225	4.	900
	1 - 3	0			
125	- 6	750	125	6	750
425	1	425	425	1	425
175	1	175	175	1	175
100	3	300	100	3	300
250	1	250	250	1	250
400	1	400	400	1	400
150	1	150	150	1	150
		0		-	
150	1	150	150	1	150
150	1	150	150	1	150
	1	0		-	
	1	0	-	-	
	-	0		+	
		2,500	7.E	40	2,500
1,000	1	1,000	1,000	1	1,000
150	1	150	150	1	150
1,200	1	1,200	1,200	1	1.200
75	2	150	75	2	150
6,300					6,300
6,000	1	6,000	6,000	1 1	6,000
200	1	200	200	1	200
100	1	100	100	1	100
	-	2,047	1	-	2,452
2,047	1	2.047	2,452	1 1	2,452
E,047	1	2,047	2,452	1 1	2,452

NEWTON PUBLIC SCHOOLS		WILLIA	MS
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS
DINING & FOOD SERVICE			1,625
Cafeteria / Dining	1,025	1	1,025
Stage		thin Auditor	
Chair / Table / Equipment Storage			0
Kitchen	355	1	355
Staff Lunch Room	245	1	245
TEDICAL			100
Medical Suite Toilet			0
Nurses' Office / Waiting Room	100	1	100
Examination Room / Resting			0
DMINISTRATION & GUIDANCE			1,725
General Office / Walting Room with Toilet	310	1	310
Teachers' Mail and Time Room			0
Copy Room		in Corridor	
Records Room	110	1 1	110
Principal's Office with Conference Area	370	1	370
Principal's Secretary / Waiting		-	0
Assistant Principal's Office	- 1		0
Supervisory / Spare Office (ASP)		$\vdash$	0
Conference Room	1 3		0
Guidance Office		_	0
Guidance Storeroom			0
Teachers' Work Room			0
METCO	wit	thin Soc Wo	
SEL Coach / Intervention (can share space)	935	1	935
Wellness / Nursing Room			0
USTODIAL & MAINTENANCE			2,625
Custodian's Office			0
Custodian's Workshop			0
Custodian's Storage	55	3	165
Recycling Room / Trash	100	-	103
Receiving and General Supply	_	-	0
Storeroom	_	-	0
Network / Telecom Room	75	1	75
Misc. Storage Rooms	596	4	2,385
THER	2000		3,395
Auditorium	2,220	1	2,220
Stage	610	1	610
After School Program (ASP)/Office	565	1	565
ASP Storage			0
Assoc Dir of Elem Educ			
Sp. Educ Asst Director	-	_	
District Storage			0
		-	
Total Building Net Floor Area (NFA)			29,320
Enrollment			215
Total Building Gross Floor Area (GFA) <sup>3</sup>	1 8		44,980
Grossing Factor (GFA / NFA)			1.53

		PROGRAM Students)			PROGRAM Students)	
ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTALS	ROOM NFA <sup>1</sup>	# OF ROOMS	AREA TOTA	
	10	5,257			5,96	
2,295	1	2,295	2,970	1	2,97	
1,000	1	1,000	1,000	1	1,00	
302	1	302	332	1	3	
1,460	1	1,460	1,460	1	1,46	
200	1	200	200	1	21	
		410			41	
60	1	60	60	1		
250	1	250	250	1	25	
100	1	100	100	1	1	
		2,080		-	2,08	
650	-1	650				
inclu	ided in gen.	office	included in gen. office			
inch	ided in gen.	office	included in gen. office			
80	1	80	80	1		
300	1	300	300	1	3	
included in gen, office			included in gen. office			
150		150	150	-	1	
	1			1		
250	-1	250	250	1	2	
	-	0	_	+	_	
200	2	400	200	2	4	
200	-	400	200	1 2	4	
150	1	150	150	1	1	
100	1	100	100	1	1	
1,750					1,75	
100	1	100	100	1	1	
-		0				
500	1	500	500	1	. 5	
700	1	700	700	1	- 70	
ine	cluded in at	ove	ic	cluded in al	ove	
200	1	.200	200	1	2	
250	1	250	250	1	. 2	
11000		0				
		1,250			1,25	
		0				
1,000	1	1,000	1,000	1	1,0	
250	1	250	250	1	2	
	100	0				
	-	0		-	-	
		-		_	_	
		39,969			44,87	
		306			39	
		59,953			67,31	
		1.50			1.5	

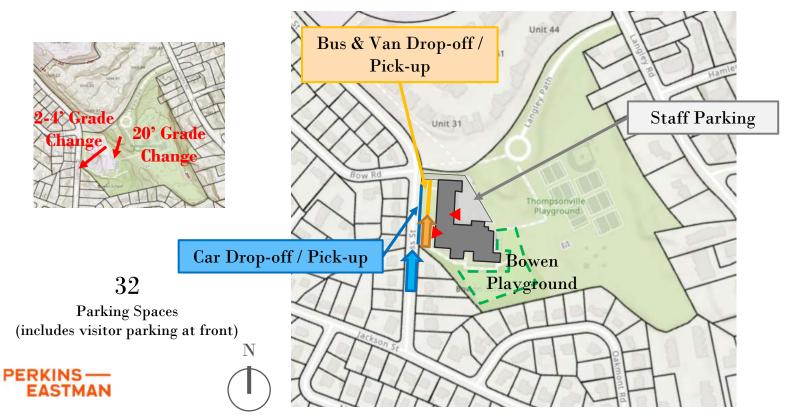


## Appendix – Individual School Conditions & Cost



# Bowen Elementary

Site Context & Access





# Bowen Elementary Site Conditions

- Car drop-off / pick-up is on street, bus & van at bus loop.
- Mostly flat site adjacent to school, but significant hill behind constrains school area to part of property,
   Thompsonville Playground & public fields are located on upper plateau, managed independently of school.
- Some cracking observed in concrete at main entrance ramp.
- Most main access points are accessible, other exits have exterior stairs.

















## Bowen Elementary Building Conditions

- Boilers have been replaced in last 10-20 years (2005 & 2012), but do not meet City of Newton's electrification goals.
- Lighting fixtures and ceilings have been updated with lighting controls.
- Exterior of modular classrooms shows signs of wear.
- Corridor floors appear updated within last 10-15 years.
- Relieving angles at window heads in exterior masonry show signs of rust.
- Gym floor show signs of wear, HVAC ductwork is at end of life.
- Guardrails at stairs have openings larger than 4" sphere rule.
- LULA lift at auditorium stage.
- Some evidence of roof leaks in ceilings observed.











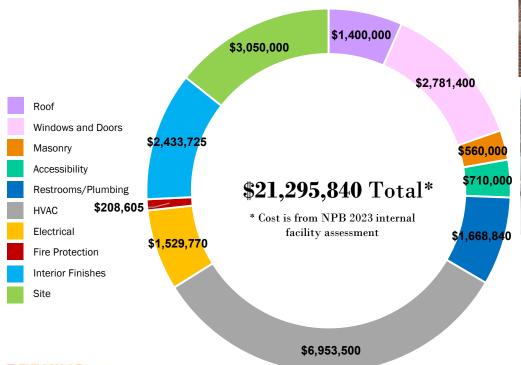






## Bowen Elementary

Est. Repair Cost by System/Category







This scope of work and corresponding cost address only building systems and site improvements.

It does not address the lack of program space, appropriately sized spaces, and adjacencies that exist today and that are commonly provided in  $21^{\rm st}$  schools.



**Burr Elementary** 

Site Context & Access 5A 5B 6A 6B **Staff Parking 0-15** Grade Change Burr Fields / Playground 60 **Parking Spaces** Car Drop-off / Pick-up (includes 2 at receiving) N Bus & Van Drop-off PERKINS -Pick-up

# Burr Elementary Site Conditions

- Car, bus & van drop-off / pick-up are on street.
- Sidewalks need replacement.
- Driveways, parking, basketball courts need repaving.
- Accessibility limited at playground due to raised edging.
- Site lighting mounted to building needs replacement.
- Accessibility challenges between parking and building access points.
- Softball field needs infield replacement.
- Lawns need to be re-established.

















## Burr Elementary Building Conditions

- Roof features newer membrane roof and older tar/gravel ballast, reaching end of useful life.
- 2011 windows are in good condition, but would not meet current energy codes.
- Accessibility challenges with door hardware, classroom sinks, toilet rooms, music loft
- Boilers upgraded in 1999 and 2006, but do not meet the City of Newton's electrification goals.
- HVAC system, generator, electrical, plumbing systems at end of life.
- Some ceiling light fixtures have been updated, other ceilings need replacement.

















## **Burr Elementary**

Est. Repair Cost by System/Category







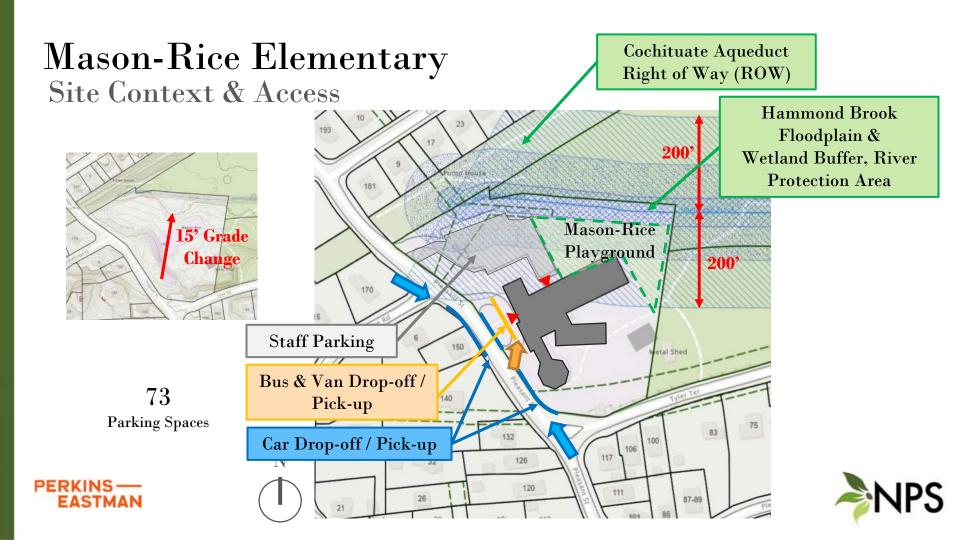


This scope of work and corresponding cost address only building systems and site improvements.

It does not address the lack of program space, appropriately sized spaces, and adjacencies that exist today and that are commonly provided in  $21^{\rm st}$  schools.







### Mason-Rice Elementary Site Conditions

- Property borders ROWs, easements, and Hammond Brook.
- Several wetland and RPA setbacks overlay on a portion of the site and building.
- Site slopes make accessible routes a challenge at certain paths and sidewalks.
- Playgrounds are accessible.
- Ponding/standing water seen near the art rooms at the base of the exterior wall.
- Car drop-off / pick-up is on street, bus & van at bus loop.

















## Mason-Rice Elementary Building Conditions

- Boilers, expansion tanks have been upgraded (2013), but do not meet City of Newton's electrification goals.
- Accessibility within cafeteria/auditorium has been improved with floor leveling.
- No elevator, accessibility to lower floor from upper floor is provided by LULA lift only.
- Accessibility challenges at toilet rooms.
- Ceilings and lighting upgraded in certain spaces, other classrooms have original ceilings and older lighting.
- Roof leaks at gymnasium and some classrooms.
- Some cracking in masonry at exterior, area grates show signs of rust.
- 2007 windows are in good condition, but nearing end of life
   and would not meet current energy codes.











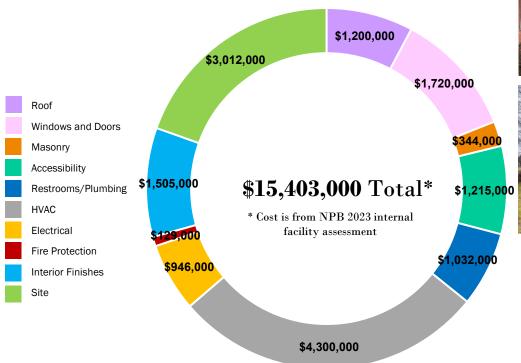






## Mason-Rice Elementary

Est. Repair Cost by System/Category









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# Memorial-Spaulding Elementary

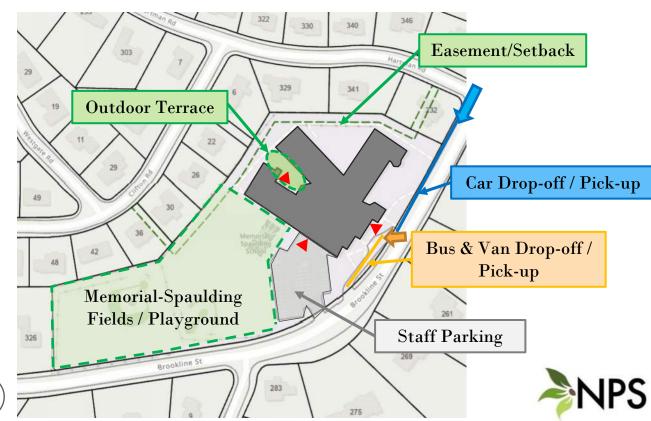
N

Site Context & Access



56
Parking Spaces





# Memorial-Spaulding Elem. Site Conditions

- Car drop-off / pick-up is on street, bus & van at bus loop.
- Limited accessibility to outdoor terrace (accessible route is from front of building, direct access has stairs).
- Sidewalks/terrace need replacement, large cracks.
- Exterior stairs at kitchen need replacement.

















# Memorial-Spaulding Elem. Building Conditions

- One boiler is original, the other was replaced in 2006, but neither meets City of Newton electrification goals.
- 2001 windows are in fair condition, but nearing end of life and would not meet current energy codes.
- Curtain wall between original and first addition shows signs of rust.
- LULA lift at auditorium stage.
- Ceilings are updated with new lighting fixtures at most classrooms, other classrooms have exposed structure in lower level.
- Photovoltaics are installed on the roof.











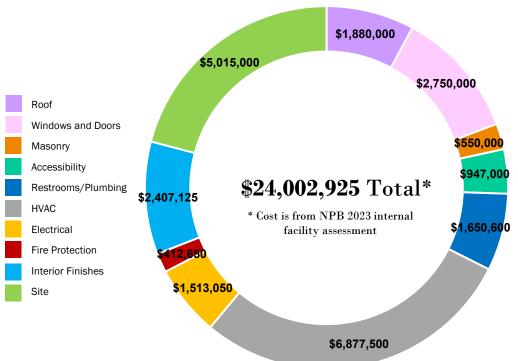






### Memorial-Spaulding Elem.

Est. Repair Cost by System/Category









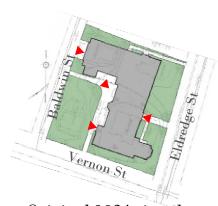
This scope of work and corresponding cost address only building systems and site improvements.





## Underwood Elementary

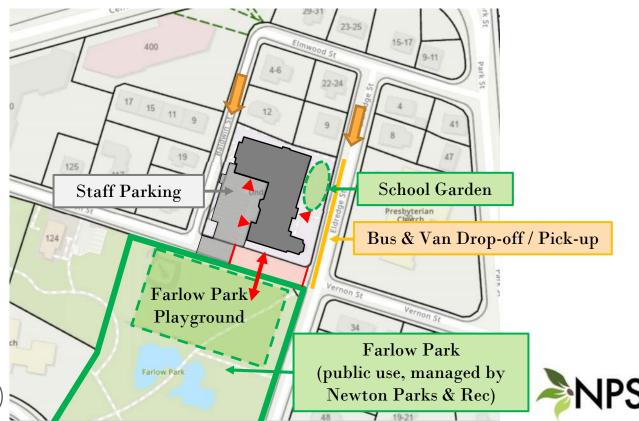
Site Context & Access



Original 1924 site plan

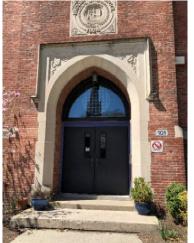
19 Parking Spaces





# Underwood Elementary Site Conditions

- 1 acre site, building footprint is ¾ of site, parking about ¼.
- Located within NRHP\* Farlow & Kenrick Park Historic District.
- School does not have dedicated play space, shares Farlow Park playground with public.
- Part of Vernon Street permanently closed for easier access, additional parking.
- Main entrance on Eldredge St, accessibility challenges at most access points to building due to half level between lower and main floors.
- Car, bus & van drop-off / pick-up are on street.















#### Underwood Elementary Building Conditions

- Accessibility challenges at toilet rooms (both gang and single user), classroom entries, stairs, music, and multi-level library.
- Evidence of roof leaks in ceilings, esp. at gymnasium.
- Signs of rust on stair finishes and under carriages.
- HVAC systems are at end of life, steam piping has failed previously at gym.
- Main electrical is old and limited, especially for future upgrades, no sprinkler system.
- Casework original to 1978 renovation, some not accessible.
- Some lighting updated with lighting control, other ceilings are in need of replacement.
- Roof at gym needs replacement, some cracking at masonry.











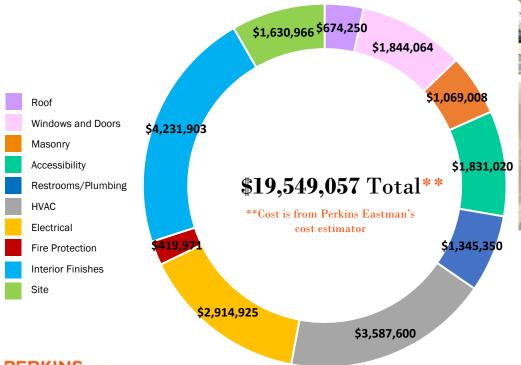






### Underwood Elementary

Est. Repair Cost by System/Category









This scope of work and corresponding cost address only building systems and site improvements.



Ward Elementary

Site Context & Access

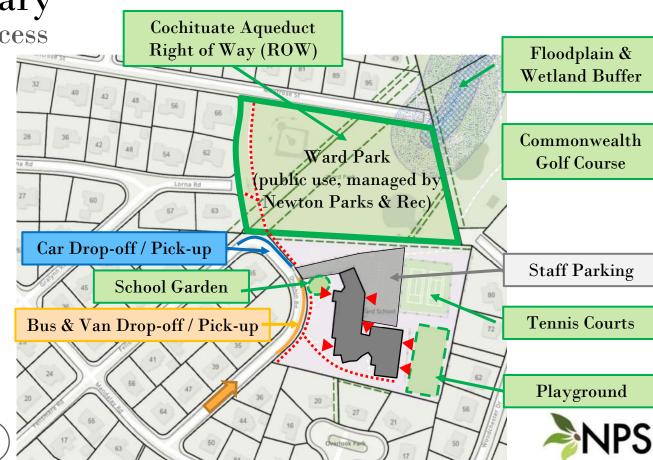


Original 1928 site plan

40
Parking Spaces

N





# Ward Elementary Site Conditions

- 3 acre hillside site, with 3.5 acre public use Ward Park to north deed restricted, protected by Article 97.
- School has dedicated playground and tennis courts, both are maintained by Newton Parks & Rec, controlled by NPS.
- Main entrance on Dolphin Road, one way street in residential neighborhood.
- Easements at the edge of property, ROW within park.
- Parking lot has been repaved and restriped.
- Car, bus & van drop-off / pick-up are on street.













#### Ward Elementary Building Conditions

- There is no elevator first, second, and library floors are inaccessible, one accessible entrance remote from main office near gym, but no direct accessible route.
- Accessibility challenges at toilet rooms, staff lunch, lower level, main entrance.
- Evidence of roof leaks in ceilings.
- Floor, wall, and ceiling finishes at end of life, but some ceilings/lighting have been replaced in the last few years.
- One of two steam boilers is non-functional.
- Main electrical is old and limited, especially for future upgrades, no sprinkler system.
- Most built in casework is original, hardware not operable.
- Slate roof shows advanced age, windows need replacement, masonry needs repointing.











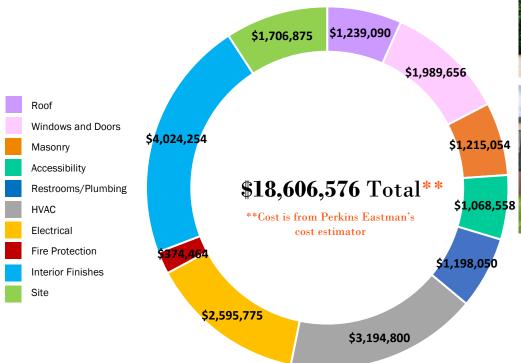






## Ward Elementary

Est. Repair Cost by System/Category





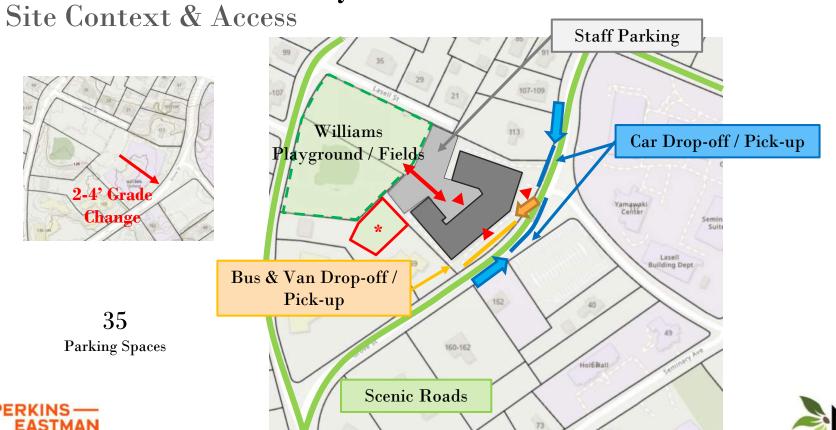




This scope of work and corresponding cost address only building systems and site improvements.



Williams Elementary



\*Land acquired by City of Newton for school use

# Williams Elementary Site Conditions

- Car drop-off / pick-up is on street, bus & van at bus loop.
- Playgrounds are not accessible with raised edging.
- Parking area needs to be repaved, access to playground/fields from school is through parking.
- Basketball court is within parking area, no separation.
- Site lighting mounted to building needs replacement.
- Sidewalks need repair.
- Property has been acquired by City of Newton west of building for school use.

















#### Williams Elementary Building Conditions

- 1993 & 2001 windows are in fair condition but nearing end of life and would not meet current energy codes.
- Cafeteria and kitchen spaces converted from classroom spaces, do not function well for current day use.
- Accessibility challenges at classroom entries.
- Roof features newer EPDM and older tar/gravel ballast, reaching end of useful life.
- Evidence of roof leaks in ceilings, esp. at auditorium.
- HVAC system at end of life.
- Insufficient power/data outlets in classrooms/support spaces.
- Masonry needs repair and cleaning.
- Boilers upgrades in 2012, but do not meet City of Newton's electrification goals.











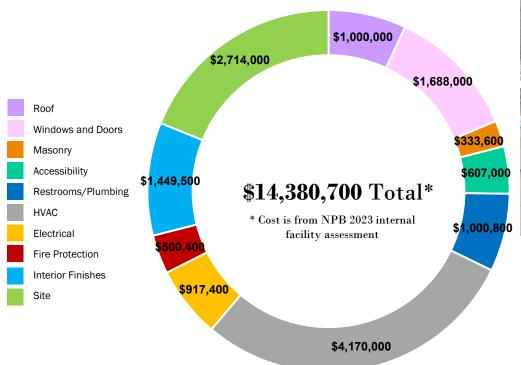






### Williams Elementary

Est. Repair Cost by System/Category









This scope of work and corresponding cost address only building systems and site improvements.



