Coakley Middle School Norwood Public Schools

School Committee

February 24, 2021









Educational Plan Review key points & framework

Space Summary

Overview of the space summary Category review

Educational Plan

Review comments





Educational Visioning Process





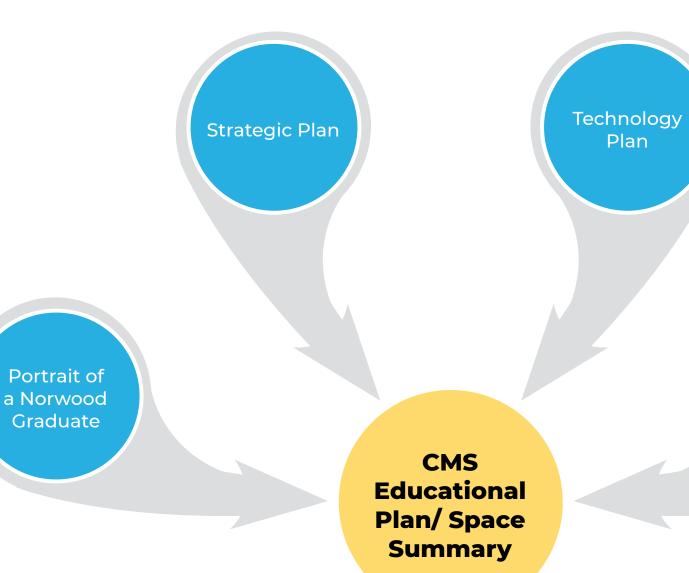


Initial Space Summary/ Adjacencies

Grade Level Configuration

Educational Plan Process

- Discusses how the Coakley Middle School will funciton and what spaces will be needed.
- Rooted in previous planning documents and efforts
- Iterative process with CMS faculty and staff
- Ed plan forms basis for Space Summary
- In process of refining, based on comments received and space summary overages







Educational Plan Highlights

- Either 6-8 grade configuration or 5-8
- A 5-8 School would be organized into an Upper and Lower School
- Modified team teaching model for 5th Grade, but in a developmentally appropriate way.
- Separation between the oldest and youngest grades through
 - Team teaching model
 - Scheduling
 - Design features

- New 21st Century / Project-Based Learning spaces:
 - Maker Spaces STEM and STEAM
 - Project-Based Learning Labs Black Box Theater and Virtual Reality Lab
 - Student Collaboration Spaces/Commons
 - Teacher Collaboration Spaces
- Designed to support the teaming structure, with academic neighborhoods
- Special education integration is a key feature



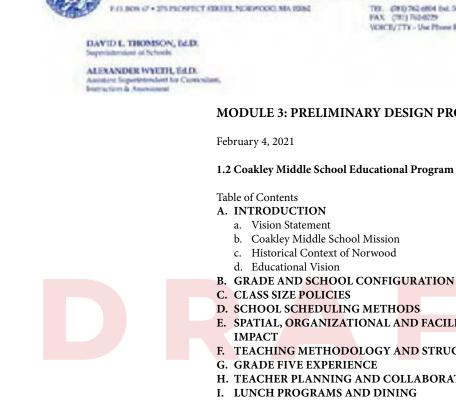
Educational Plan Highlights

- Communal spaces organized around a central spine:
 - Creates a hub for activity
 - Provides controlled access to spaces used by the larger Norwood community
- Multiple opportunities to connect students to the outdoors
- Both indoor and outdoor facilities at the current Coakley play a major role in the larger community. The new building should continue to fill this need.



Educational Plan Comments

- Over 30 comments
 - Many related to small, text/structural changes to the document
 - Some larger issues to address
- Addressing the larger issues at the end of the presentation.



NORWOOD PUBLIC SCHOOLS

ADMINISTRATIVE OFFICES + JAMISTE SAVAGE ID READONAL CENTER



K. PERFORMING ARTS L. VISUAL ARTS M. WELLNESS

N. SPECIAL EDUCATION

ADJACENCIES S. COMMUNITY USAGE

P. PROJECT LEAD THE WAY





MODULE 3: PRELIMINARY DESIGN PROGRAM

E. SPATIAL, ORGANIZATIONAL AND FACILITIES DEFICIENCIES

F. TEACHING METHODOLOGY AND STRUCTURE

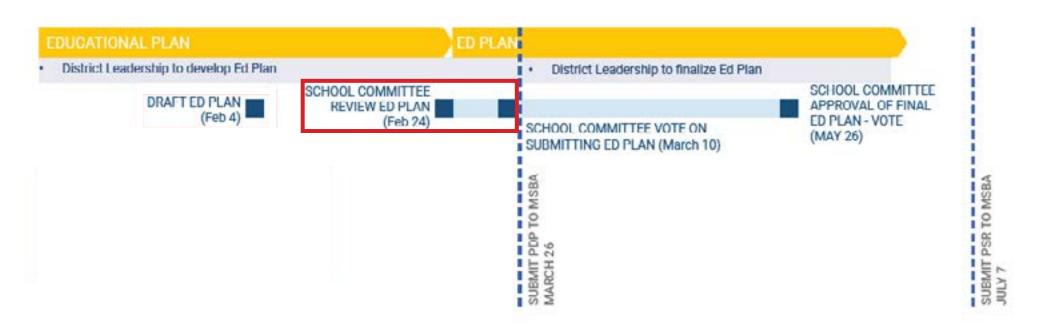
H. TEACHER PLANNING AND COLLABORATION J. COAKLEY MIDDLE SCHOOL ACCESS AND SECURITY

O. LITERACY AND LANGUAGE

Q. TRANSPORTATION POLICY **R. FUNCTIONAL AND SPATIAL RELATIONSHIPS AND KEY**

Approval to Submit Educational Plan

- NOT approving the Ed Plan as is
- Approving the general direction of the Ed Plan and the continuation the process of submitting Ed Plan to the MSBA
 - Ed Plan will still be a draft in the process of refinement
- Targeting March 10th for School Committee approval





3

4

	-				Date:	2/17/2021	Preliminary Design Program
Difference	e to MSBA (Guidelines		(refer	to MSBA E		Guidelines gram & Space Standard Guidelines)
ROOM NFA1	# OF RMS	area totals		ROOM NFA ¹	#OF RMS	area totals	Comments
		5,840			58	51,650	
	-4	-7,800		950	44	41,800	850 SF min - 950 SF max
	-3	-1,500		500	3	1,500	
						-	
			_				
			_				
				1,080	Refer to	STE Guidelin	nes for Additional information
				1,080	Refer to	STE Guidelli	nes for Additional information
	1	1,440		1,440	5	7,200	
	1	200		200	5	1,000	
	0	0		150	1	150	

Norwood - Coakley Middle School 5-8	Existing Conditions			
<u>ROOM TYPE</u>	ROOM NFA ¹	# OF RMS	area totals	
DRE ACADEMIC SPACES			35,031	
(List classrooms of different sizes separately)			,	
Classroom - General				
Small Group Seminar (20-30 seats) / Resource				
Grade 5 classroom (Balch)	710	1		
Grade 5 classroom (Balch)	717	2		
Grade 5 classroom (Callahan) Grade 5 classroom (Callahan)	572 605	1		
Grade 5 classroom (Cleveland)	898	1		
Grade 5 classroom (Cleveland) Grade 5 classroom (Cleveland)	901	1		
Grade 5 classroom (Cleveland)	934	1		
Grade 5 classroom (Oldham)	967	1	1	
Grade 5 classroom (Oldham)	977	1		
Grade 5 classroom (Oldham)	1,000	1		
Grade 5 classroom (Prescott)	996	1		
Grade 5 classroom (Prescott)	1,000	1		
Grade 6 classroom	598	1	59	
Grade 6 classroom	742	1	74	
Grade 6 classroom	772	1	77	
Grade 6 classroom Grade 6 classroom	782	1	78	
Grade 6 classroom	790	1	79	
Grade 6 classroom	832	1	83	
Grade 6 classroom	868	1	86	
Grade 6 classroom	896	1	89	
Grade 7 classroom	774	2	1,54	
Grade 7 classroom	781	2	1,56	
Grade 7 classroom	787	2	1,57	
Grade 7 classroom	791	1	79	
Grade 7 classroom	793	2	1,58	
Grade 8 classroom Grade 8 classroom	773	1	2,34	
Grade 8 classroom	785	1	2,34	
Grade 8 classroom	787	2	1,57	
Grade 8 classroom	791	2	1,58	
Literacy Storage/Book room	201	1	20	
STE Room- Grades 5-6				
STE Storage				
Science Classroom / Lab- Grades 7-8				
Prep Room				
Central Chemical Storage Rm	740			
Science Classroom / Lab- Grade 6 Science Classroom / Lab- Grade 6	749	1	74	
Science Classroom / Lab- Grade 6 Science Classroom / Lab- Grade 6	991 1,195	1	99 1,19	
Science Classroom / Lab- Grade 7	787	1	78	
Science Classroom / Lab- Grade 7	801	1	80	
Science Classroom / Lab- Grade 7	1,032	1	1,03	
Prep Room	263	1	26	
Science Classroom / Lab- Grade 8	791	1	79	
Science Classroom / Lab- Grade 8	955	1	95	
Science Classroom / Lab- Grade 8	979	1	97	
Prep Room	209	1	20	
Foreign Language	965	1	96	
Foreign Language Collaboration	1 060	1	1.00	
Foreign Language (portion of library) Foreign Language	1,262 801	1	1,26	
Foreign Language Lab	842	1	80	
Foreign Language Teachers Rooms	153	1	15	

Existing	Existing to Remain/Renovated		New			Total		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		0			57,490			57,490
		0	850	40	34,000		40	34,00
			200	1	200		1	20
		0	1,080	2	2,160		2	2,16
		0	120	2	240		2	24
		0	1,440 200	6 6	8,640 1,200		6 6	8,64
		0	150	1	150		1	15
			850 500	4	3,400 500		4	3,40
			500	1	500		1	50
							0	I

Date: 2/17/2021 Preliminary Design Program

Norwood - Coakley Middle School 5-8	Ex	Existing Conditions			
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals		
ELL	386	2	772		
ELL Storage	93	1	93		
Teacher Collaboration					
Student Collaboration					
Health Classroom					
PECIAL EDUCATION			4,979		
(List classrooms of different sizes separately)			4,010		
Self-Contained SPED					
Self-Contained SPED Toilet					
Resource Room					
Small Group Room / Reading					
SPED (T.A.S.C.)	802	1	802		
SPED Calming space (T.A.S.C.)					
SPED (P.A.C.S.)	1,139	1	1,139		
SPED Toilet (P.A.C.S.)					
SPED (Bridges)	491	1	491		
SPED (P.L.C.)	773	1	773		
SPED (L.B.L.D.)					
SPED (LEAP)					
SPED Toilet (LEAP)					
SPED teachers room	269	1	269		
SPED teachers room	238	1	23		
SPED Adaptive PE	158	1	158		
SPED Academic Support	456	2	912		
Small Group Room / Speech	197	1	197		
Department Head Office					
Team Chair Office SPED Conference Room					
OT Teaching Space					
OT Office					
Speech & Language Teaching Space					
Speech & Language Office					
School Adjustment Counselors					
PT Workroom					
Testing & Workrooms					
RT & MUSIC			4,148		
Art Classroom	1,040	1	1,040		
Art Workroom w/ Storage & kiln					
Art Classroom	982	1	982		
Art Workroom w/ Storage (kiln??)	165	1	165		
Art Storage	50	1	50		
Band / Chorus - 100 seats	70	4			
Music Practice / Ensemble	73	1	73		
Choral Music Storage	1,128	1	1,128		
Music Storage	91 141	3	273		
Music Storage		1			
Music Storage Music Office	103 193	1	103		
Ensemble	193		193		
	1	1	1		

NFA NFA <th colspan="8">PROPOSED</th>	PROPOSED								
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				300	1	000			
		 							

Differenc	e to MSBA (Guidelines	(refe
ROOM NFA1	# OF RMS	area totals	ROOM NFA ¹
		2,450	
	-8	-7,600	950
	-8	-480	60
	-1	-700	500
	-3	-1,500	500
		0	
	0	-300	1,200
	0	0	150
	0	0	1,500
	-2	-600	200
			│
	<u> </u>		

	Date:	2/17/2021	Preliminary Design Program
(refer	to MSBA E		Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	Comments
		12,080	
950	8	7,600	850-950 SF equal to surrounding classrooms
60	8	480	
500	5	2,500	1/2 size Genl. Clrm.
500	3	1,500	1/2 size Genl. Clrm.
		5,000	
1,200 150	2	2,400 300	assumed use - 50% population 2 times / week
100	-	000	
1,500 200	1 4	1,500 800	assumed use - 50% population 2 times / week
200	4	000	

Date: 2/17/2021 Preliminary Design Program

1,200 150

Norwood - Coakley Middle School 5-8	Ex	isting Condit	ions
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals
OCATIONS & TECHNOLOGY			4,827
Technology/Engineering Rooms Virtual Reality Lab			
Performance Technology Studio			
STEAM	1,511	1	1,511
STEM (wood shop)	1,899	1	1,899
STEM office	122	1	122
STEM storage	138	1	138
Tech Office	154	1	154
Computer Lab	1,003	1	1,003
IEALTH & PHYSICAL EDUCATION			14,081
Gymnasium (2 stations)	9,936	1	9,936
Gymnasium (1 station)	.,		
Gym Storage	161	1	161
Gym Storeroom	131	1	131
Girls locker storage	134	1	134
Boys locker storage Health Instructor's Office w/ Shower & Toilet (girls)	57 110	1	57
Health Instructor's Office w/ Shower & Toilet	127	1	127
Locker Rooms - Boys / Girls w/ Toilets	3,425	1	3,425
-			
IEDIA CENTER			1,946
Media Center / Reading Room Media Center / Reading Room (minus Foreign			
Language)	1,631	1	1,631
Library Office	133	1	133
Library Conference Room	182	1	182
Library Storage			
Small Group Collaboration			
Video Production & Broadcasting studio VP Storage			
INING & FOOD SERVICE			8,707
Cafetorium / Dining	5,143	1	5,143
5/6 Student Dining			
7/8 Student Dining			
Stage			
Chair / Table / Equipment Storage Kitchen/ Dish/ Storage/ Cold Food/ Office	3,175	1	3,175
Kitchen	3,175	1	3,175
Staff Lunch Room	389	1	389
Supplemental Dining			
IEDICAL Medical Suite Toilet	40		566
Nurses' Office / Waiting Room	16 149	2	32
Examination Room / Resting	385	1	385
Isolated resting			
DMINISTRATION & GUIDANCE			2,455
General Office / Waiting Room / Toilet	575	1	575
Teachers' Mail and Time Room			
Duplicating Room			
Records Room Principal's Office w/ Conference Area	296	1	296
Principal's Secretary / Waiting	290	1	290
Assistant Principal's Office - AP1	132	1	132
		1	
Assistant Principal's Office - AP2			
Assistant Principal's Office - AP2 Supervisory / Spare Office			
Assistant Principal's Office - AP2	770	1	770

PROPOSED								
Existing to Remain/Renovated		New			Total			
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	#OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		0			2,880			2,880
		0	0	0	0		0	0
			1,440	1	1,440		1	1,440
			1,440	1	1,440		1	1,440
		0			11,400			11,400
		0	6,000	1	6,000		1	6,000
			3,000	1	3,000		1	3,000
-		0	150	1	150		1	150
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		0	250	1	250		1	250
		0	1,000	2	2,000		2	2,000
		0			6,533			6,533
		v	4,233	1	4,233		1	4,233
			200	1	200			200
			200 800	1	200 800			200
			1,000	1	1,000			1,000
		0	100	1	100			100
		0			11,319 0		0	11,319
			3,760	1	3,760			3,760
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		0	500	1	500		1	500
		0			810			810
		0	60	1	810 60		1	810 60
		0	250	1	250		1	250
		0	100	4	400 100		4	400
		0	100	1	4,320		1	4,320
		0	635	1	635		1	635
		0	100 200	1	100 200		1	100
		0	200	1	200		1	200
		0	375	1	375		1	375
		0	125 150	1	125 150		1	125 150
		0	150	1	150		1	150
		0	150 350	1	150 350		1	150 350

Differenc	e to MSBA (Guidelines	(refer	t
ROOM NFA1	# OF RMS	area totals	ROOM NFA ¹	
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	-4	-5,760	1,440	
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	Date:	2/17/2021	Preliminary Design Program
(refer	to MSBA E		Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	Comments
		5,760	
1,440	4	5,760	Assumed use - 50% Population - 5 times/week; 850 SF - 2,000 SF
		8,400	Excess PE Spaces Policy
6,000	1	6,000	
.,		-,	
150	1	150	
250	1	250	
1,000	2	2,000	
1,000	-	2,000	
		6,533	
6,533	1	6,533	
0.005		12,919	
8,025	1	8,025	2 seatings - 15SF per seat
1,600	1	1,600	
556	1	556	
2,370	1	2,370	1600 SF for first 300 + 1 SF/student Add'l
368	1	368	20 SF/Occupant
		810	
60	1	60	
250	1	250	
100	5	500	
		4 202	
635	1	4,320 635	
100	1	100	
200	1	200	
200	1	200	
375	1	375	
125	1	125	
150	1	150	
150 150	2	300 150	
350	1	350	
000		550	
150	6	900	

Date: 2/17/2021 Preliminary Design Program

Norwood - Coakley Middle School 5-8	Ex	Existing Conditions			
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals		
Guidance Waiting Room					
Guidance Storeroom					
Time Out Room	183	1	18		
School Resource Room	117	1	11		
V.P. Disceplinary Room	129	1	12		
Test Room	121	1	12		
Storage	28	1	2		
Psychologist Office	104	1	10		
Teachers' Work Room					
Mother's Room					
School Resource Officer					
			735		
Custodian's Office	97	1	/35		
Custodian's Unice Custodian's Workshop	393	1	39		
Custodian's Workshop	393	· ·			
Recycling Room / Trash					
Receiving and General Supply	245	1	24		
Storeroom	243		24		
Network / Telecom Room					
Custodian's Break Room					
Toilet/Shower	-				
Satelitte Storage					
5					
<u>THER</u>			10,341		
Other (specify)					
Auditorium (900 seats)	8,320	<u>1</u>	8,32		
Auditorium (535 seats)					
Stage	1,912	1	1,91		
Stage Storage	109	<u>1</u>	10		
Total Building Net Floor Area (NFA)			87,816		
Proposed Student Capacity / Enrollment					
ON-PROGRAMMED SPACES					
Other Occupied Rooms (list separately)					
Unoccupied MEP/FP Spaces					
Unoccupied Closets, Supply Rooms & Storage Roon	ns				
Toilet Rooms					
Circulation (corridors, stairs, ramps & elevators)					
Remaining ³					
Total Building Gross Floor Area (GFA) ²					
Grossing factor (GFA/NFA)			0.00		

Existing to Remain/Renovated New Total								
Existing to Remain/Renovated		ROOM			ROOM			
NFA ¹	# OF RMS	area totals	NFA ¹	# OF RMS	area totals	NFA ¹	# OF RMS	area totals
		0	100	1	100		1	10
		0	50	1	50		1	5
			150	1	150		1	15
		0	685	1	685		1	68
		-	150	1	150		1	15
			150	1	150		1	15
		0			2,545			2,545
		0	120	1	120		1	12
		0	200	1	200		1	20
		0	375 400	1	375 400		1	37
		0	400	1	400		1	40
		0	280	1	280		1	28
		0	200	1	200		1	20
			200	1	200		1	20
			85	1	85		1	8
			95	3	285		3	28
		0			7,100		0	7,100
		0			0		0	
			5,500	1	5,500		1	5,50
			1,600	1	1,600		1	1,60
		0			123,927			123,927
	% of GFA	0		% of GFA	61,963		% of GFA	61,963
	#DIV/0!			0%			0%	
	#DIV/0!			0%			0%	
	#DIV/0!			0%			0%	
	#DIV/0!			0%			0%	
	#DIV/0!			0%			0%	
	#DIV/0!			0%			0%	
	#DIV/0!			0%			0%	
	#DIV/0! #DIV/0!	0		0%	61,963		0% 33%	61,96
	#010/0!	0		5570	01,903		3370	01,90
		0			185,890			185,89

			_			
Differenc	Difference to MSBA Guidelines					
ROOM NFA1	# OF RMS	area totals				
	0	0				
	0	0				
	0	0				
		0				
	0	-30				
	0	-50				
	0	0				
	0	0				
	0	-56				
	0	-434				
	0	0				
		7,100				
	0	0				
	Ů					
	1	1,600				
		13,911				
		14,690				
		14,690				
		14,690				

	Date:	2/17/2021	Preliminary Design Program
(refer	to MSBA E		Guidelines gram & Space Standard Guidelines)
OOM IFA ¹	# OF RMS	area totals	Comments
100	1	100	
50	1	50	
685	1	685	
		2,545	
150	1	150	
250	1	250	
375	1	375	
400	1	400	
456	1	456	
714	1	714	
200	1	200	
		0	
			Seats for 1/2 the student population = 535
		110.016	
		110,016	
		1070	Enter grade enrollments below
		535	Lower Middle; Grades 5-6
			Upper Middle; Grades 7-8
		000	CFF-1. Madalo, Gradoo / O
			Non-Programmed space areas are
			required to be included in the
			following submittals:
			Schematic Design Submittal
			Design Development Submittal
			60% Construction Documents
			90% Construction Documents
			Final Construction Documents
		171,200	
		1.56	

Date: 2/17/2021 Preliminary Design Program

ROOM NFA¹

50

250 375

456 714

Space Summary reductions over the past 2 months

5 thru 8 configuration: 212,560 to **185,890** (26,670 sf reduction) 6 thru 8 configuration: 155,417 to **150,060** (5,357 sf reduction)

- Thoroughly reviewed the class schedule to utilize spaces throughout the day rather than only a couple of periods
- Utilize project based labs and collaboration spaces truly as flexible spaces as they are intended (not criteria specific)
- Foreign language adopted a suite model
- Thoroughly reviewed Special Education category; reductions based on current and projected enrollments
- Design Team will design a more efficient building utilizing a smaller grossing factor

Norwood - Coakley Middle School 5-8	Ex	isting Condit	ions
ROOM TYPE.	ROOM NFA ¹	# OF RMS	area totals
ELL	386	2	772
ELL Storage	93	1	93
Teacher Collaboration			
Student Collaboration			
Health Classroom			
PECIAL EDUCATION			4.979
(List classrooms of different sizes separately)			4,979
Lost casaroonis er enterent sizes separately			
Self-Contained SPED			
Self-Contained SPED Tollet			
Resource Room			
Small Group Room / Reading			
SPED (T.A.S.C.)	802	1	802
SPED Calming space (T.A.S.C.)			000
SPED (P.A.C.S.)	1.139	1	1.139
SPED Tolint (P.A.C.S.)			
SPED (Bridges)	491	1	491
SPED (P.L.C.)	773	1	773
SPED (LBLD.)	113		113
SPED (LEAP)			
SPED Tolet (LEAP)			
SPED teachers room	209	1	260
SPED teachers room	238	1	238
SPED Adaptive PE	158	1	158
SPED Academic Support	456	2	912
Small Group Room / Speech	197	1	197
Department Head Office	197		19/
Team Chair Office			
SPED Conference Room			
OT Teaching Space			
OT Office			
Speech & Language Teaching Space			
Speech & Language Office			
School Adjustment Counselors			
PT Workroom			
Testing & Workrooms		-	
Theory is the formation		-	-
		1	
ART & MUSIC			4,148
Art Classroom	1,040	1	1,040
Art Workroom w/ Storage & kiln			
Art Classroom	982	1	962
Art Workroom w/ Storage (kiln??)	165	1	165
Art Storage	50	1	50
Band / Chorus - 100 seats			
Music Practice / Ensemble	73	1	73
Choral	1,128	1	1,128
Music Storage	91	3	273
Music Storage	141	1	141
Music Storage	103	1	103
Music Office	193	1	193
Ensemble			

rwood - Coakley Middle School 5-8	E	Existing Conditions			Existing to Remain/Renov		
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals		ROOM NFA ¹	# OF RMS	area tot
IONS & TECHNOLOGY			4.827				
hnology/Engineering Rooms							
al Reality Lab							
ormance Technology Studio							
AM	1,511	1	1,511				
M (wood shop)	1,899	1	1,899				
Moffice	122	1	122				
M storage	138	1	138		<u> </u>		
h Office Iputer Lab	1.003	1	1.003		<u> </u>		
point cito	1,000		1,005				
H & PHYSICAL EDUCATION	-		14,081				
maium (2 stations)	9.936	1	9,935				
maaium (2 stationa) maaium (1 station)							
n Storage	161	1	161			1	
1 Storeroom	131	1	131				
a locker storage	134	1	134		<u> </u>		
a locker storage Ith Instructor's Office w/ Shower & Toilet (girls)	110	1	57		<u> </u>		<u> </u>
Ith Instructor's Office w/ Shower & Tollet	127	1	127				
cer Rooms - Boys / Girls w/ Toilets	3.425	1	3.425				
CENTER			1,946				
la Center / Reading Room la Center / Reading Room (minus Foreign							
sa Cantar / Reading Room (minus Poregn guage)	1,631	1	1.631				
ary Office	133		133				
ary Conference Room	182	1	182				
ary Storage all Group Collaboration							
all Group Collaboration							
Storage & FOOD SERVICE			8,707				
technic / Dising	5.143	1	5.143				
itorium / Dining Student Dining Student Dining	3,143		5,145				
Student Dining							
						1	
ir / Table / Equipment Storage hen/ Dish' Storage/ Cold Food/ Office							
hen/ Dish/ Storage/ Cold Food/ Office	3,175	1	3,175				
f Lunch Room	389	1	389				
plemental Dining	369	-	307		<u> </u>		
AL Ical Suite Toilet			566				
ical Suite Toitet	16	2	32				
ies' Office / Waiting Room	149	1	149				
mination Room / Reating ited reating	385	1	385		<u> </u>		
ISTRATION & GUIDANCE			2.455				
anal Office / Waiting Room / Toilat	575	1	575				
chera' Mail and Time Room							
eral Office / Waiting Room / Toilet chens' Mail and Time Room licating Room ords Room							
ords Room							
cipel's Office w/ Conference Area cipel's Secretary / Walting	296	1	296				_
ope's Secretary / Waling start Principal's Office - AP1	132	1	132		<u> </u>		<u> </u>
stant Principal's Office - AP1 stant Principal's Office - AP2	132	1	132		<u> </u>		-
envisory / Soare Office					<u> </u>		<u> </u>
ervisory / Spare Office ference Room						-	
tance/Counseling tance Office	770	1	770				
tance Office							



POSE	D				
iew.		Total			
F RMS	area totals	ROOM NFA ¹	# OF RMS	area totala	
3	1,350		3	1,350	
4 2 1	2,400 2,400		4	2,400 2,400	
2	2,400		2	2,400	
1	850		2	850	
	14,530			14,530	
			0	0	
			0	0	
4	1.800		4	0	
	0 0 1,800 0		0 4 0	0	
-	700		2	200	
2 2 3 3 1 2 2 2 2 2 2	700		2 2 3 3 1 2 2 2 2 2	700 120 2,550	
2	120 2,550 240 350 900		2	120	
3	4,509		3	4,550	
3	240		3	240 350 900	
1	350		1	350	
2	900		2	900	
2	900		2	900	
	1,700		2	1,700	
	120		2	120	
	2,000		1	2,000	
1	150		1	150	
1	150		1	150 300 450 150 300 150 450	
1	300 450 150		1	300	
	450		1	450	
1	160		1	150	
1			1	300	
1	150 450			160	
3	1.00		3	450	
1	400		1	450	
4	600		4	600	
4	000			000	
	5,000			E 000	
	2,100			5,000 2,100 300	
2	2,100		2	2,100	
4	300		2	300	
	-				
1	1,500		1	1,500	
2	200		2	1,500 200 900	
1	900		1	900	

Differenc	e to MSBA C	Duidelines
ROOM NFA1	# OF RMS	area totals
		2,450
	-8	-7,600
	-8	
	-3	-1,500
	-	
<u> </u>		<u> </u>
		<u> </u>
<u> </u>	<u> </u>	<u> </u>
		_
		0
	0	-300
	ò	0
<u> </u>		
		-
	0	-600
	-2	-600
<u> </u>		<u> </u>

			Preliminary Design Program
			Guidelinea
(refer	IO MSBA E	ducational Pro	gram & Space Standard Guidelines)
	_		-
ROOM			
	# OF RMS	area totala	Commenta
NFA ¹	# OF RES	area totais	Comments
	(I		
	_		
	_	12,080	
	_	12,000	
	(I		
950	8	7,600	850-950 SF equal to surrounding classrooms
		7,000	to a star the second second second second
60	8	480	
500	5		1/2 size Geni, Cim.
500	3	1.60.0	1/2 size Geni, Cim.
		1,500	13 NOT OWN, CARD.
	_		
	_		
	(
	_		
	() ()		
	_		
	(
	_		
	_		
		5.000	
1,200			
	2	2,400	assumed use - 50% population 2 times / week
150	2	300	
	_		
	_		
1.500	1	1.500	assumed use - 50% population 2 times / week
200	4	800	
		800	
	_		
	_		

POSE)					
lew/			N			
low.		Total				
FRMS		ROOM	# OF RMS			
FRMS	area totals	NFA ¹	# OF RMS	area totals		
	2,880			2,880		
0	0		0	0		
1	1.440		1	1,440		
1	1.440		1	1.440		
	1,000			1,445		
		-				
	11,400			11,400		
1	6,000		1	6,000 3,000		
1	3,000		1	3,000		
1	150		1	150		
1	250		1	250		
2	250		2	250		
2	2,000		2	2,000		
1	6,533 4,233		1	6,533 4,233		
1	4,233			9,233		
1	200			200		
	2010			200		
1	004			0.00		
1	200			200		
1	1,000			1 000		
1	100			1,000		
				41.210		
	11,010		0	11,212		
1	0 3,780 3,780 0 556			1,000 100 11,319 0 3,760 3,760 0 556		
1	3,760	-	-	3.760		
	0		0	0		
1	558		1	558		
				0		
1	2,375		1	2,375		
	388		1	368		
1	500		1	500		
	810			810		
1	60		1	60		
	250		1	250		
4	250 400 100		4	400		
1	100		1	100		
	4,320 635 100 200 200 375 125 150			4,320		
	635		1	635		
1	100		1	100		
	200		1	200		
1	200		1	200		
1	375		1	379		
	125		1	125		
1	150		1	150		
	150		1	150		
1	150		1	150		
	350		1	250 250 400 400 400 655 100 2000 2000 375 125 150 150 150 150 150		
_						
4	600		4	600		

Differenc	e to MSBA (Suidelines
ROOM NFA1	# OF RMS	area totals
		-2,880
	-4	-5,780
		3,000
	0	0
	0	
	0	0
_		
	0	0
	0	-2,300
		-1,600
	-1	-8,025
	-1	-1,600
_	0	5
	0	1
	0	0
	0	-100
		0
	0	0
	0	0
	0 0 0 0 0 0 -1	000000000000000000000000000000000000000
	ů.	0
	-1	-150
	0	0
		-300

(refer to MSBA Educational Program & Space Standard Guidelines)						
ROOM NFA ¹	# OF RMS	area totals	Commenta			
		5,760				
	4	6.240	Assumed use - 50% Population - 5 times/week; 850 SF 2,000 SF			
1,440		5,760	1,000 87			
		8,400	Excess PE Spaces Policy			
	1	8,000				
150	1	150				
-20		150				
250	1	250				
1,000	2	2,000				
1,000	-					
6,533	1	6,533				
8,025	1	12,919				
0,025		6,025	2 seatings - tidif per seat			
	1	1,600				
558	1	556				
2,370	1	2,370	1600 SF for first 300 + 1 SF Mudert Add1			
368	1	368	20 SF/Occupant			
		810				
60	1	60				
250 100	1 5	250				
100	5	500				
		4,320				
635	1	635				
	1	100				
100						
200	1	200				
200 200 375	1	200				
200 200 375 125	1	200 375 125				
200 200 375 125 150	1 1	200 375 125 150				
200 200 375 125 150 150	1	200 375 125 150 300				
200 200 375 125 150	1 1 1 2	200 375 125 150				

Date: 2/17/2021 Preliminary Design Program

Space Summary reductions

NORWOOD SPECIFIC MIDDLE SCHOOL PROGRAM REQUIREMENTS

<u>5 THRU 8</u> GRADE LEVEL CONFIGURATION

Space Summary Categories	Coakley MS area (sf)	Allowable area per MSBA requirements (1070 students)	Over/Under MSBA template
Core Academic	57,490	51,650	5,840 g
Special Education	14,530	12,080	2,450 🔨
Art & Music	5,000	5,000	0
Vocations & Technology	2,880	5,760	-2,880 E
Health & Physical Education	11,400	8,400	3,000 — A
Media Center	6,533	6,533	0 т
Dining & Food Service	11,319	12,919	-1,600
Medical	810	810	0 a
Administration & Guidance	4,320	4,320	0
Custodial & Maintenance	2,545	2,545	0
Other (auditorium)	7,100	0	7,100
* 535 seat auditorium			8

Area INCLUDING grossing factor (1.50)

185,890 sf

171,200 sf

14,690 sf



ADD classrooms to support grade configuration and foreign language

ADD District specific Special Education requirements

ADD halfcourt gym @ 3,000 sf Fotal 1.5 full courts

1,600 sf stage does not qualify because an auditorium is being included

ADD 5,500 sf auditorium & 1,600 sf stage

81% Utilization for teaching spaces

Space Summary category review

NORWOOD SPECIFIC MIDDLE SCHOOL PROGRAM REQUIREMENTS

<u>6 THRU 8</u> GRADE LEVEL CONFIGURATION

	Coakley MS areas	Allowable area per MSBA requirements	Over/Under MSBA template	
		(800 students)		ADD classrooms to suppo grade configuration and
Core Academic	45,740	38,800	6,940	foreign language
Special Education	10,680	9,060	1,620 🔍	
Art & Music	4,600	4,600	0	ADD District specific Spec
Vocations & Technology	2,880	4,320	-1440	Education requirements
Health & Physical Education	11,400	8,400	3,000	ADD halfcourt gym @ 3,00
Media Center	4,980	4,980	0	Total 1.5 full courts
Dining & Food Service	8,867	10,467	-1,600	1,600 sf stage does not qu
Medical	710	710	0	an auditorium is being inc
Administration & Guidance	3,600	3,600	0	
Custodial & Maintenance	2,275	2,275	0	
Other (auditorium)	6,350	0	6,350	ADD 4,500 sf auditorium, sf stage, 100 sf mother's i
* 400 seat auditorium				& 150 sf SRO office

Area INCLUDING grossing factor (1.47)

150,060 sf

128,000 sf

22,060 sf



Space Summary category review

Utilization for 75% teaching spaces

DD 4,500 sf auditorium, 1,600 stage, 100 sf mother's room, 150 sf SRO office

,600 sf stage does not qualify because n auditorium is being included

DD halfcourt gym @ 3,000 sf otal 1.5 full courts

DD District specific Special

DD classrooms to support rade configuration and preign language

NORWOOD SPECIFIC MIDDLE SCHOOL PROGRAM REQUIREMENTS

5 - 8 GRADE LEVEL CONFIGURATION 1070 students	Building Area (SF)	Area per Student (SF)
MSBA Guidelines	171,200	160
NMS no auditorium or larger gym (base)	173,140	162
NMS including just larger gym	177,640	166
NMS including both larger gym and auditorium * 535 seat auditorium	185,890	174



800 students	Building Area (SF)	Area per Student (SF)
MSBA Guidelines	128,000	160
NMS no auditorium or larger gym (base)	139,035	174
NMS including just larger gym	143,445	179
NMS including both larger gym and auditorium * 400 seat auditorium	150,060	188



Average NEW middle school in Massachusetts = 171 sf/student

Average NEW middle school in Massachusetts = 171 sf/student

Space Summary MSBA / NMS comparison

Question 1

Proposed 5-8 Model-Says World Languages would be added to the grade five schedule. What would be the cost of this? When would SC need to commit to this?



Answer

The specifics of all FTE requests will be addressed later. For World Language and STEM, the two programs that are suggested to be expanded to grade 5 in a 5-8 model, the decision to add additional staff would have no bearing on the design and cost of the building. The current MSBA space allowances provide only four dedicated World Language classrooms and two dedicated STEM classrooms. This would not change if the School Committee agrees to add foriegn language and STEM to grade 5 offerings. This decision would be part of programming decision that would occur the year prior to the opening of the new MS.

Question 2

The Ed Plan indicates that an expanded music program is proposed. Who is proposing this? How much will it cost? When will SC need to vote?

Answer

Expanding the music program is part of a program addition being proposed for the current CMS. It is in the CMS 5 year staffing plan for 2023-2024 and is unrelated to the building or the addition of grade 5 to CMS. The request is for a 1.0 Orchestra teacher to better meet the existing needs of CMS. This staffing change has no impact on the new CMS building design.



Question 3

What would the impact around special education be on the elementary schools if grade 5 is moved? Would this simplify any of the SPED programming in the elementary schools?

Answer

In one proposed 5-8 school model the Kindergarten students would join the elementary schools, simplifying special education programming and allowing for K-4 specialized programs, no longer requiring K specific programs. If the Kindergarten does not join the elementary schools, there would be some consolidation of resources at grade 5. Program efficiencies are harder to predict as the numbers have greater fluctuations.



Question 4

Can we include the average number of students in the TASC program?

Answer

There is no accurate average; year to year it depends on enrollment in grade level cohorts. The past two years we had two classrooms and currently we have one planned for next year. On the chart in the ed plan we did a 10 year average per grade level.



Question 5

How many grade 6-8 or 5-8 students are Out of District? Could more be brought back with a new building?

Answer

Based on our current programming we believe our OOD students are appropriately placed.

Current OOD enrollment

5th grade = 1

- 6th grade = 3
- 7th grade = 5
- 8th grade = 3



Question 6

LEAP includes a budget request for next year (2021-22) what is the request?

Answer

One program teacher and one dedicated program paraprofessional.



Question 7

Transportation states that 278 grade 5 students are transported daily. Is this accurate? We have 263 5th graders in the district and many are within walking distance of their school.



Answer

Our numbers are based on 107 5th graders that currently ride the bus and 134 kids who are walkers to their neighborhood schools (excluding the Balch) that would be over 2 miles if they go to CMS and qualify for free busing (grades 1-6).

TOTAL ESTIMATE 241 riders to CMS.

Each bus carries 71 kids--thus the need for approximately 3.5 buses. Some of the kids could certainly be integrated into the current buses, but some buses (Avalon/Lower Neponset--24 kids, Windsor Gardens --44 kids) are already crowded.

In today's dollars, a bus is approximately 60-65,000 per bus for our multiple daily runs. Staggering start times would be a challenge It takes approximately 25 minutes/run, because of the geographic location of CMS it utilizes most of our buses

Question 8

Extended Day mentioned developing a grade 6 program?

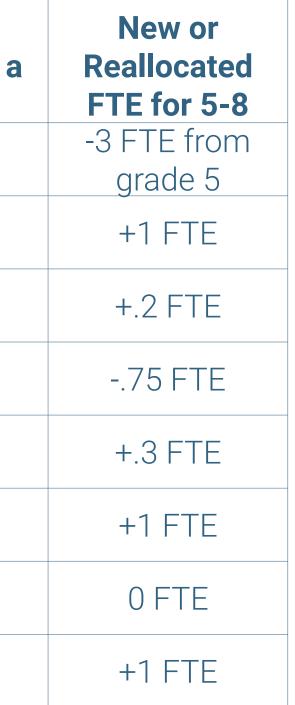
Answer

The addition of grade 6 program is in relation to potentially changing start times not a new CMS building.



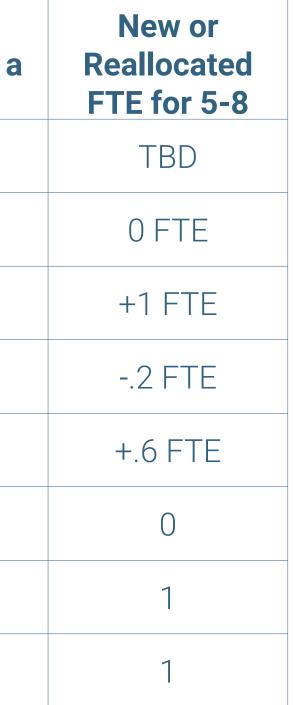
Changes in FTE for a 5-8 Model

Subject/ Staffing	Current Staffing at CMS	Current Staffing at Elementary	Proposed Staffing for 6-8 (2021-2025)	Proposed Staffing for 5-8
CORE/CIrm	36	15	36	48
ART	2	0.5	2	3
Wellness	3	0.8	3	4
Library	1	0.75	1	1
Music	2	1.2	3	3.5
STEM	2	0	2	3
Technology	1	0	2	2
World Lang.	5	0	6	7



Changes in FTE for a 5-8 Model

Subject/ Staffing	Current Staffing at CMS	Current Staffing at Elementary	Proposed Staffing for 6-8 (2021-2025)	Proposed Staffing for a 5-8
Sp. Ed (Programs)	4	Multi grade level	5	12-Aug
Sp. Ed (INCL)	9	3	9	12
Guidance	3	0	3	4
Psych/SAC	3.4	1.8	4	5
EL Staff	2.4	1	3	4
Literacy	Combined with EL	1	No change	1
Custodians	5	NA	5	6
Front Office	1.75	NA	3	4



Total Additional FTE for 5-8 versus 6-8

Reductions/Consolidations: -4 FTEAdditions:7 FTETotal:+3.0 FTE

Note: 2.0 FTE are added if it is decided to expand World Language and STEM to grade 5.



Questions/Discussion



