

Coakley Middle School

Norwood Public Schools

School Committee

February 24, 2021



Ai3 Architects, LLC
Compass Project Management

Agenda

February 24, 2021

◆ **Educational Plan**

Review key points & framework

◆ **Space Summary**

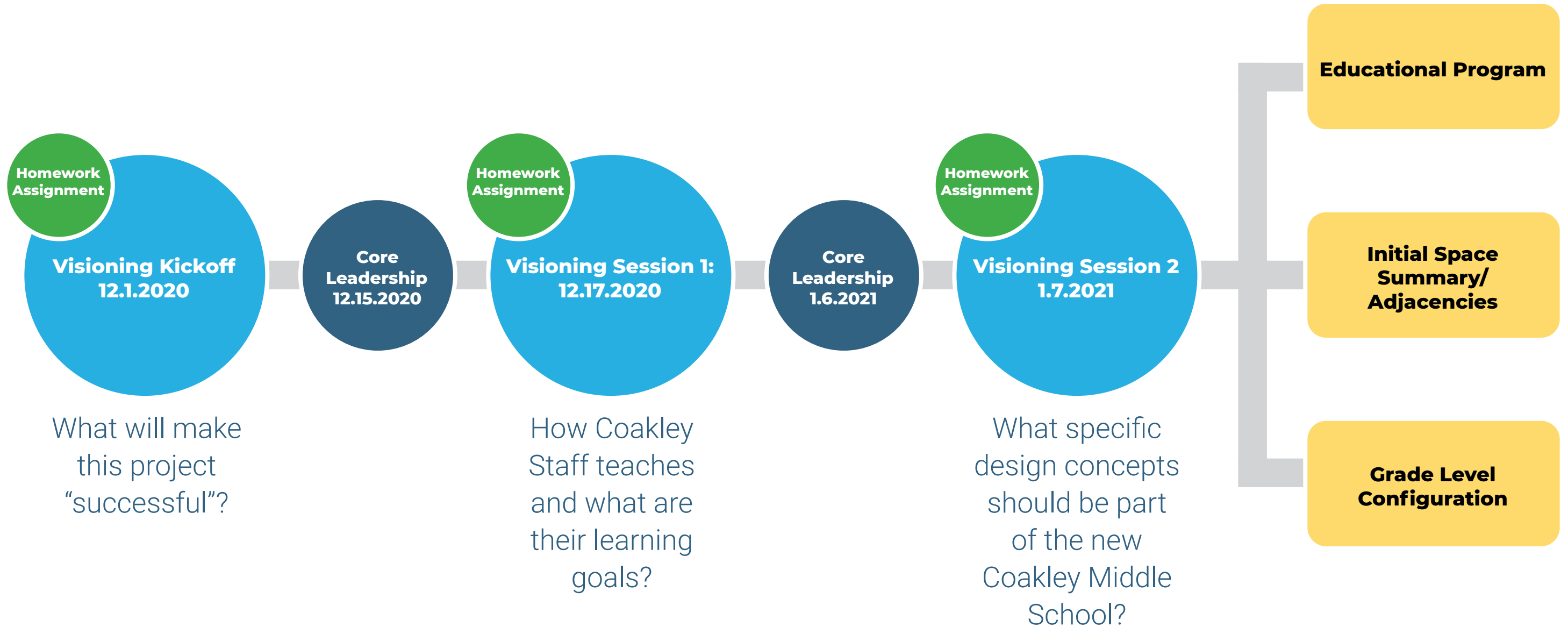
Overview of the space summary
Category review

◆ **Educational Plan**

Review comments

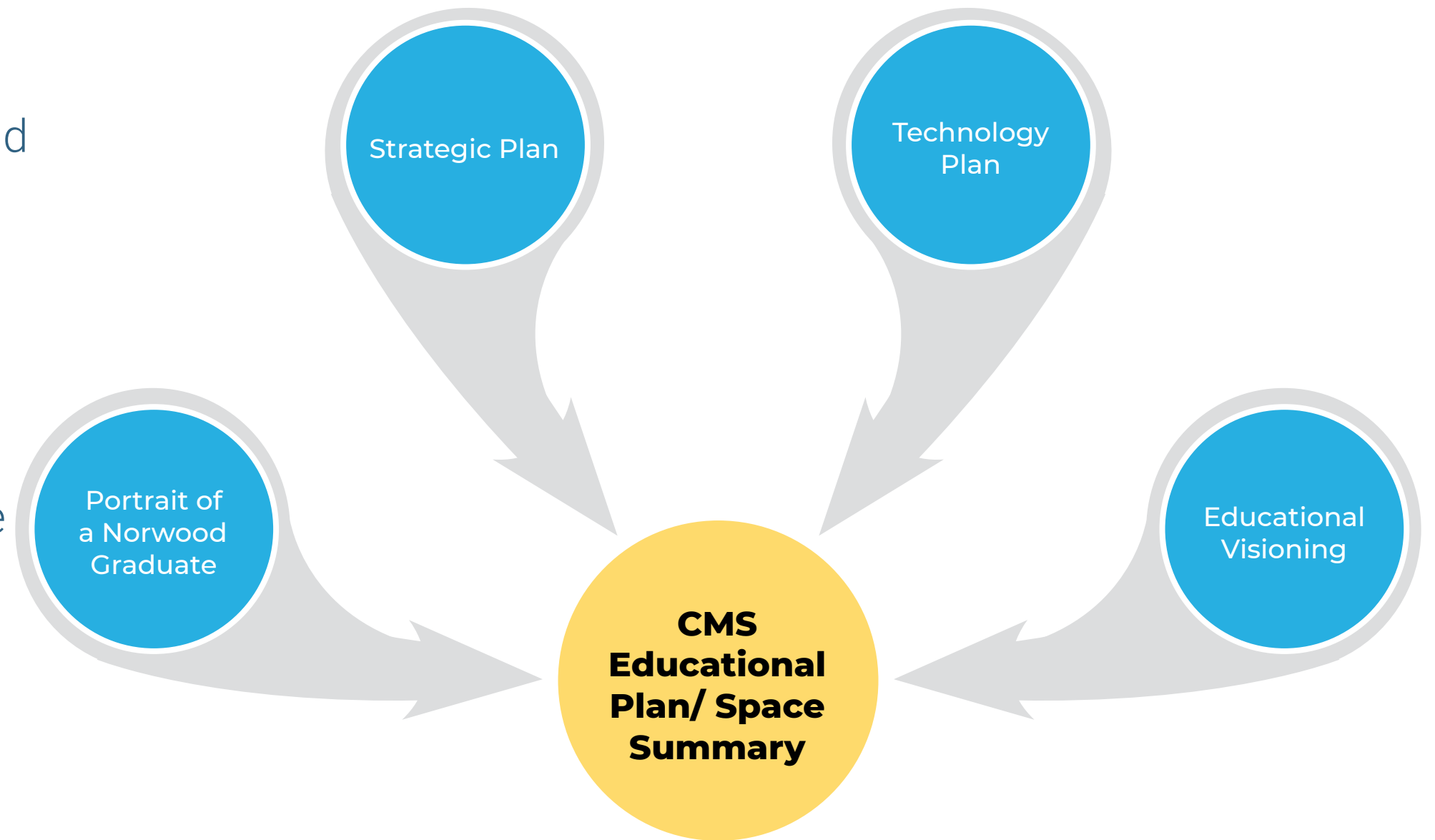


Educational Visioning Process



Educational Plan Process

- Discusses how the Coakley Middle School will function 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.



MODULE 3: PRELIMINARY DESIGN PROGRAM

February 4, 2021

1.2 Coakley Middle School Educational Program

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A. INTRODUCTION

- a. Vision Statement
- b. Coakley Middle School Mission
- c. Historical Context of Norwood
- d. Educational Vision

B. GRADE AND SCHOOL CONFIGURATION

C. CLASS SIZE POLICIES

D. SCHOOL SCHEDULING METHODS

E. SPATIAL, ORGANIZATIONAL AND FACILITIES DEFICIENCIES IMPACT

F. TEACHING METHODOLOGY AND STRUCTURE

G. GRADE FIVE EXPERIENCE

H. TEACHER PLANNING AND COLLABORATION

I. LUNCH PROGRAMS AND DINING

J. COAKLEY MIDDLE SCHOOL ACCESS AND SECURITY

K. PERFORMING ARTS

L. VISUAL ARTS

M. WELLNESS

N. SPECIAL EDUCATION

O. LITERACY AND LANGUAGE

P. PROJECT LEAD THE WAY

Q. TRANSPORTATION POLICY

R. FUNCTIONAL AND SPATIAL RELATIONSHIPS AND KEY ADJACENCIES

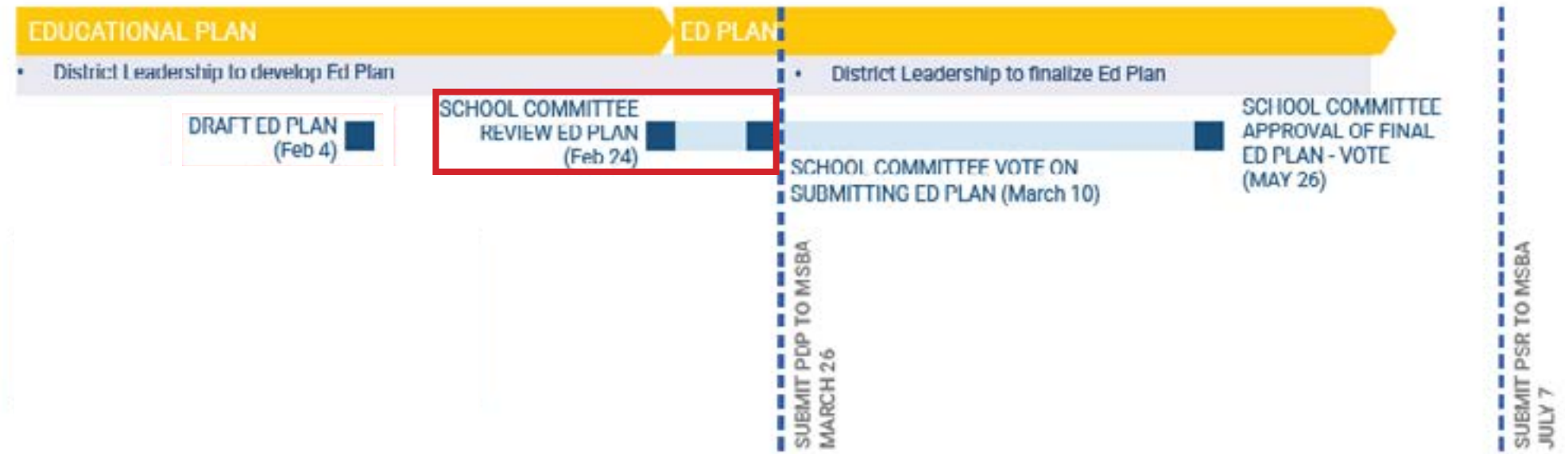
S. COMMUNITY USAGE

DRAFT



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



NORWOOD SPECIFIC MIDDLE SCHOOL PROGRAM REQUIREMENTS 5 THRU 8 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	ADD classrooms to support grade configuration and foreign language
Special Education	14,530	12,080	2,450	
Art & Music	5,000	5,000	0	ADD District specific Special Education requirements
Vocations & Technology	2,880	5,760	-2,880	
Health & Physical Education	11,400	8,400	3,000	ADD halfcourt gym @ 3,000 sf Total 1.5 full courts
Media Center	6,533	6,533	0	
Dining & Food Service	11,319	12,919	-1,600	1,600 sf stage does not qualify because an auditorium is being included
Medical	810	810	0	
Administration & Guidance	4,320	4,320	0	
Custodial & Maintenance	2,545	2,545	0	
Other (auditorium) * 535 seat auditorium	7,100	0	7,100	ADD 5,500 sf auditorium & 1,600 sf stage

Area INCLUDING grossing factor (1.50)

185,890 sf

171,200 sf

14,690 sf

81% Utilization for teaching spaces



NORWOOD SPECIFIC MIDDLE SCHOOL PROGRAM REQUIREMENTS 6 THRU 8 GRADE LEVEL CONFIGURATION

	Coakley MS areas	Allowable area per MSBA requirements (800 students)	Over/Under MSBA template	
Core Academic	45,740	38,800	6,940	ADD classrooms to support grade configuration and foreign language
Special Education	10,680	9,060	1,620	ADD District specific Special Education requirements
Art & Music	4,600	4,600	0	
Vocations & Technology	2,880	4,320	-1,440	
Health & Physical Education	11,400	8,400	3,000	ADD halfcourt gym @ 3,000 sf Total 1.5 full courts
Media Center	4,980	4,980	0	
Dining & Food Service	8,867	10,467	-1,600	1,600 sf stage does not qualify because an auditorium is being included
Medical	710	710	0	
Administration & Guidance	3,600	3,600	0	
Custodial & Maintenance	2,275	2,275	0	
Other (auditorium) * 400 seat auditorium	6,350	0	6,350	ADD 4,500 sf auditorium, 1,600 sf stage, 100 sf mother's room, & 150 sf SRO office

Area INCLUDING grossing factor (1.47)

150,060 sf

128,000 sf

22,060 sf

75% Utilization for teaching spaces



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

Average NEW middle school in
Massachusetts
= 171 sf/student

6 - 8 GRADE LEVEL CONFIGURATION 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



Addressing Questions and Concerns

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 foreign 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.



Addressing Questions and Concerns

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.



Addressing Questions and Concerns

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.



Addressing Questions and Concerns

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.



Addressing Questions and Concerns

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



Addressing Questions and Concerns

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.



Addressing Questions and Concerns

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



Addressing Questions and Concerns

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 a 5-8	New or Reallocated FTE for 5-8
CORE/CIrm	36	15	36	48	-3 FTE from grade 5
ART	2	0.5	2	3	+1 FTE
Wellness	3	0.8	3	4	+.2 FTE
Library	1	0.75	1	1	-.75 FTE
Music	2	1.2	3	3.5	+.3 FTE
STEM	2	0	2	3	+1 FTE
Technology	1	0	2	2	0 FTE
World Lang.	5	0	6	7	+1 FTE

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	New or Reallocated FTE for 5-8
Sp. Ed (Programs)	4	Multi grade level	5	12-Aug	TBD
Sp. Ed (INCL)	9	3	9	12	0 FTE
Guidance	3	0	3	4	+1 FTE
Psych/SAC	3.4	1.8	4	5	-.2 FTE
EL Staff	2.4	1	3	4	+.6 FTE
Literacy	Combined with EL	1	No change	1	0
Custodians	5	NA	5	6	1
Front Office	1.75	NA	3	4	1

Total Additional FTE for 5-8 versus 6-8

Reductions/Consolidations: -4 FTE

Additions: 7 FTE

Total: +3.0 FTE

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



Questions/Discussion

