

# Build BPS

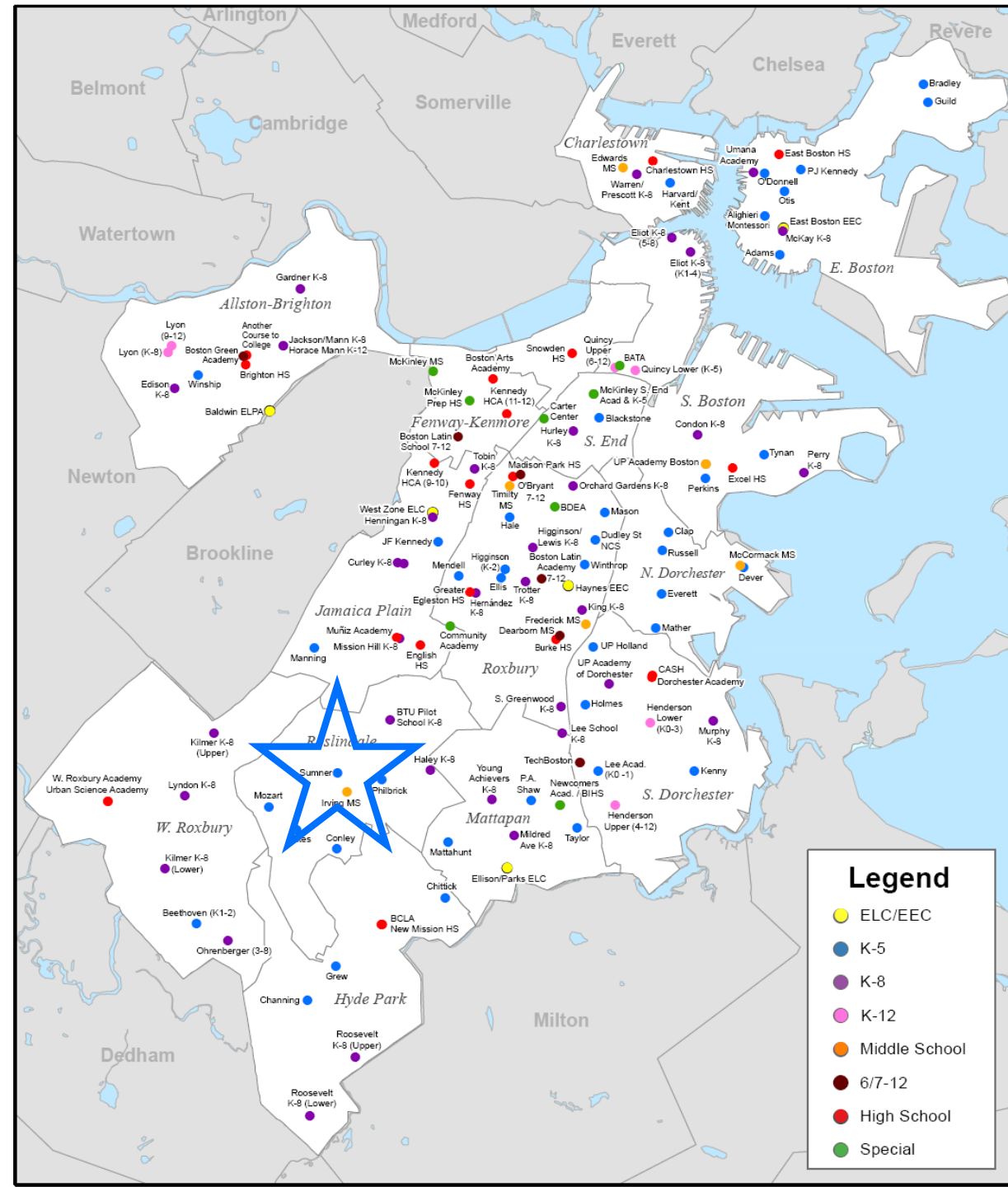
## Welcome to the Charles Sumner Elementary School

April 27, 2016



# District Map

BOSTON  
PUBLIC  
SCHOOLS  
SY 2015 - 2016

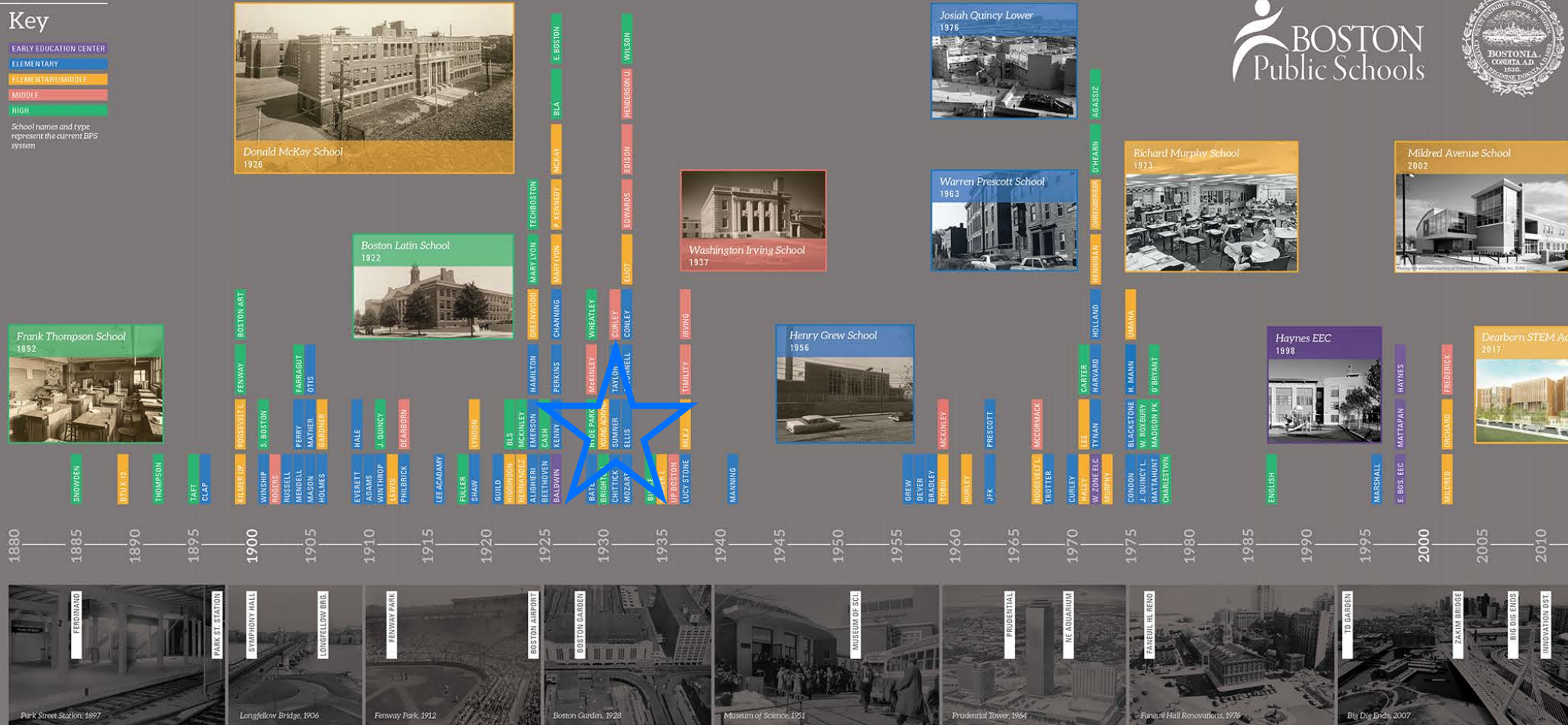


# BPS Timeline

## Key

EARLY EDUCATION CENTER  
ELEMENTARY  
ELEMENTARY/MIDDLE  
MIDDLE  
HIGH

School names and type represent the current BPS system



BOSTON  
Public Schools



## Build BPS

Boston Public Schools  
Building History

Building Boston's Public Schools, One Story at a Time

SMMA



# Agenda

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Introductions

10 Year Facility and Educational Masterplan

Phase II Process

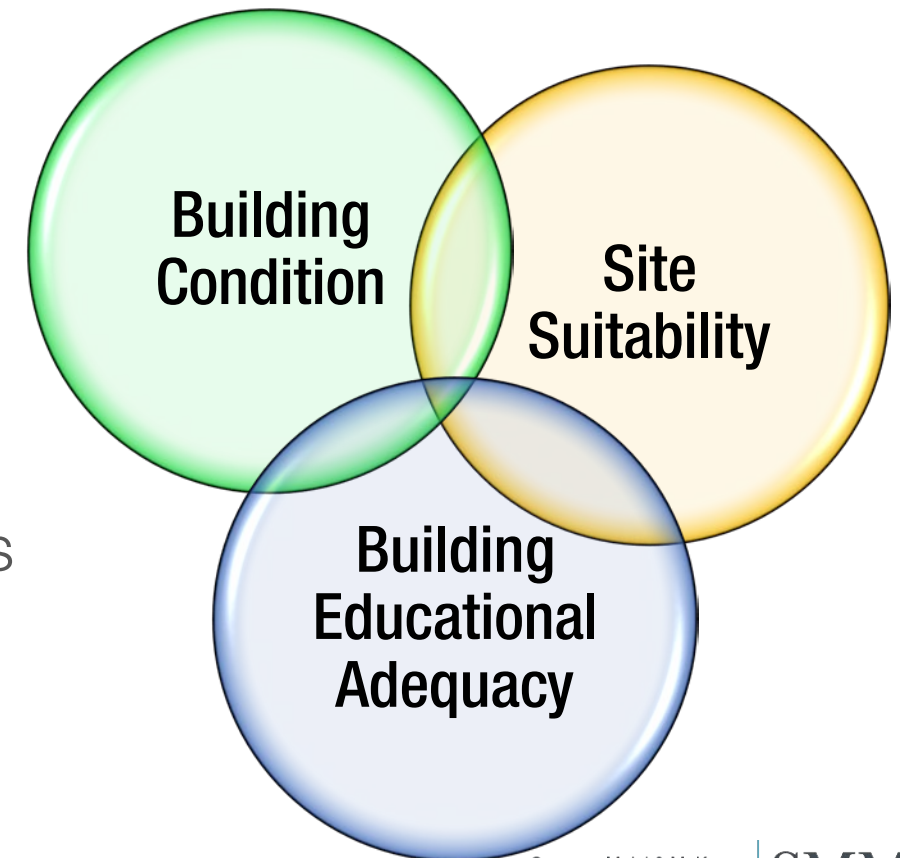
Physical Analysis Report

Educational Program Assessment Report

21<sup>st</sup> Century Educational Concepts & Spaces

Site and Neighborhood Discussion

Next Steps and Q&A





# What's in the study?

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- Demographics
- Facility Assessments
- Educational Adequacy Assessments
- Community Engagement
- Financial Planning

# Community Outreach

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- Survey
  - Parents
  - Teachers
  - Staff
  - Students
- Tool Kit for Each School (competitive)
- Neighborhood Discussion
- Community wide Engagement (by program)
  - Elementary School
  - Middle School
  - High School
- August: Superintendent's City Wide Event

# What Assessments are ***NOT*** for

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***NOT*** rating the educational programs

***NOT*** rating the educational performance of the schools

***NOT*** rating the teachers of the school

***NOT*** rating the community or neighborhood “*value*”



# Facility Physical Assessment

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Barbara Deane-Williams, Lead Convener

Kim Rice, BPS

Al Taylor, BPS

Carleton Jones, BPS

Khadijah Brown, BPS

Brian Chambers, BPS

Mary Driscoll, BPS

Ramon Soto, Mayor's Office

Brian McLaughlin, PCMD

Austin Blackmon, Environment & Energy

Jonathan DePina, PCMD

Abi Vladeck, Budget

Paul Williams, Budget

TBD, DoIT

Nick Kraman, CPC

Joel Thompson, CPC

Richard Stutman, BTU

# Facility Physical Assessment

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Building and site investigations by professionals:

Architect (Educational designer)

Structural Engineer

MEP Engineer

Civil Engineer

10 Year Facility and Educational Masterplan

Criteria Evaluation Form

SCHOOL NAME: Sumner Elementary School

SCHOOL ENROLLMENT: 544

HISTORICAL BUILDING NAME: Sumner Elementary

BUILDING ENROLLMENT: 544

ID#: 350052

SITE VISIT DATE: 42397

1 | Facility Evaluation Criteria

Physical Analysis:

Major investments in the last 20 years? (> \$5 Mil)

Roof:

Membrane

Space on roof for solar

Façade

Windows

Boilers

Heating Distribution Systems

Ventilation Distribution Systems

Electrical Service

Existing Photovoltaics

Life Safety:

Means of Egress

Fire Protection (sprinklers)

Fire Alarm

Security:

Entry Sequence

Lighting Quantity/Control

Toilets & Fixtures

Plumbing Distribution Systems

Accessibility

Structural System:

Signs of Deterioration:

Roof

Floor

Walls/Columns

Foundations

Façade

Is the lateral system identifiable?

Overall Building Condition

Community:

Mass Historical Commission Status:

Inventory of Historic Assets

State Register of Historic Places

Emergency Shelter

Community Use Spaces

Community Building Rating

Building suitability for school use?

SCHOOL NAME: Sumner Elementary School

SCHOOL ENROLLMENT: 544

HISTORICAL SCHOOL NAME: Sumner Elementary

BUILDING ENROLLMENT: 544

ID#: 350052

SITE VISIT DATE: 42397

2 | Site Evaluation Criteria

Physical Analysis:

Is the site susceptible to climate change?

Major investments in the last 10 years? (> \$5 Mil)

Is the building expandable on current site?

Is the site expandable?

Parking Quality

Neighborhood Streets

Drop Off/Pick Up Routes

Walkways/Curbs/Sidewalks

MAAB/ADA Accessibility

Site Lighting

Fencing

Drainage

Play areas

Walls/Slopes

Overall Site Condition

Community:

Mass Historical Commission Status

Inventory of Archeological Assets

Accessible to Mass Transit?

Bikable?

Walkable?

Community Site Rating

Site suitability for school use?





# Facility Physical Assessment

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Building and site investigations by professionals:

- Architect (Educational designer)

- Structural Engineer

- MEP Engineer

- Civil Engineer

10 Year Facility and Educational Masterplan

# Phase II Team Educational Planning

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Barbara Deane-Williams, Lead Convener

Rahn Dorsey, Chief of Education

Ramon Soto, Mayor's Office

Karla Estrada, BPS

Ryan Scallon, BPS

Mary Driscoll, BPS

TBD, Principal

Carleton Jones, BPS

Khadijah Brown, BPS

Mary McCoy, Budget

Brian McLaughlin, PCMD

TBD, SPEDPAC

Paul Tritter, BTU

TBD, BSAC

Heshan Berents-Weeramuni, CPC

Harneen Chernow, CPC

TBD, At-Large

# Educational Vision

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- Engaged Learning
- Differentiated and Personalized Learning
- Cognitively Demanding Tasks/Programs
- Equitable Access to Rigorous Curriculum
- Vision of 21<sup>st</sup> Century Digital Learning



# Phase II Team Educational Assessment

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Philip J. Poinelli, SMMA

Alex C. Pitkin, SMMA

Susan C. Zoller, MGT of America

Joe Clark, MGT of America

David Stephen, New Vista Design

Criteria  
Evaluation Form

4 | Elementary: Pre-K to 5 or Pre-K to 6

Room Type	Quantity	MSBA Area	Actual Area	Adequacy				
Pre-K (K0/K1)		1200	0	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Kindergarten (K2)	6	1200	700	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Classroom (General Education)	20	950	700	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Special Education:								
• Self Contained	6	950	300-700	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
• Resource of Small Group	1	500	100	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Art Classroom	1	1000	458	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Music Classroom		1200	0	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Gymnasium	1	6000	1520	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Media Center		3118	0	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Cafeteria	1	4080	1533	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
• Stage		1000	0	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Medical	varies	TOTAL: 610	TOTAL: 332	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Administration & Guidance	varies	TOTAL: 2409	TOTAL: 1656	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Custodial/Maintenance	varies	TOTAL: 2144	TOTAL: 529	<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
• AC Tech Network Room		200		<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
Other:								
• Boys & Girls Club	150			<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
• Science	763			<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>
• -----				<div>Excellent</div>	<div>Good</div>	<div>Fair</div>	<div>Poor</div>	<div>Failing</div>

Narrative to Discuss:

Engaged Learning

Differentiated Learning

Cognitively Demanding Tasks/Programs

Equitable Access to a Rigorous Curriculum

Vision of 21<sup>st</sup> Century Digital Learning

Overall Rating

Excellent

Good

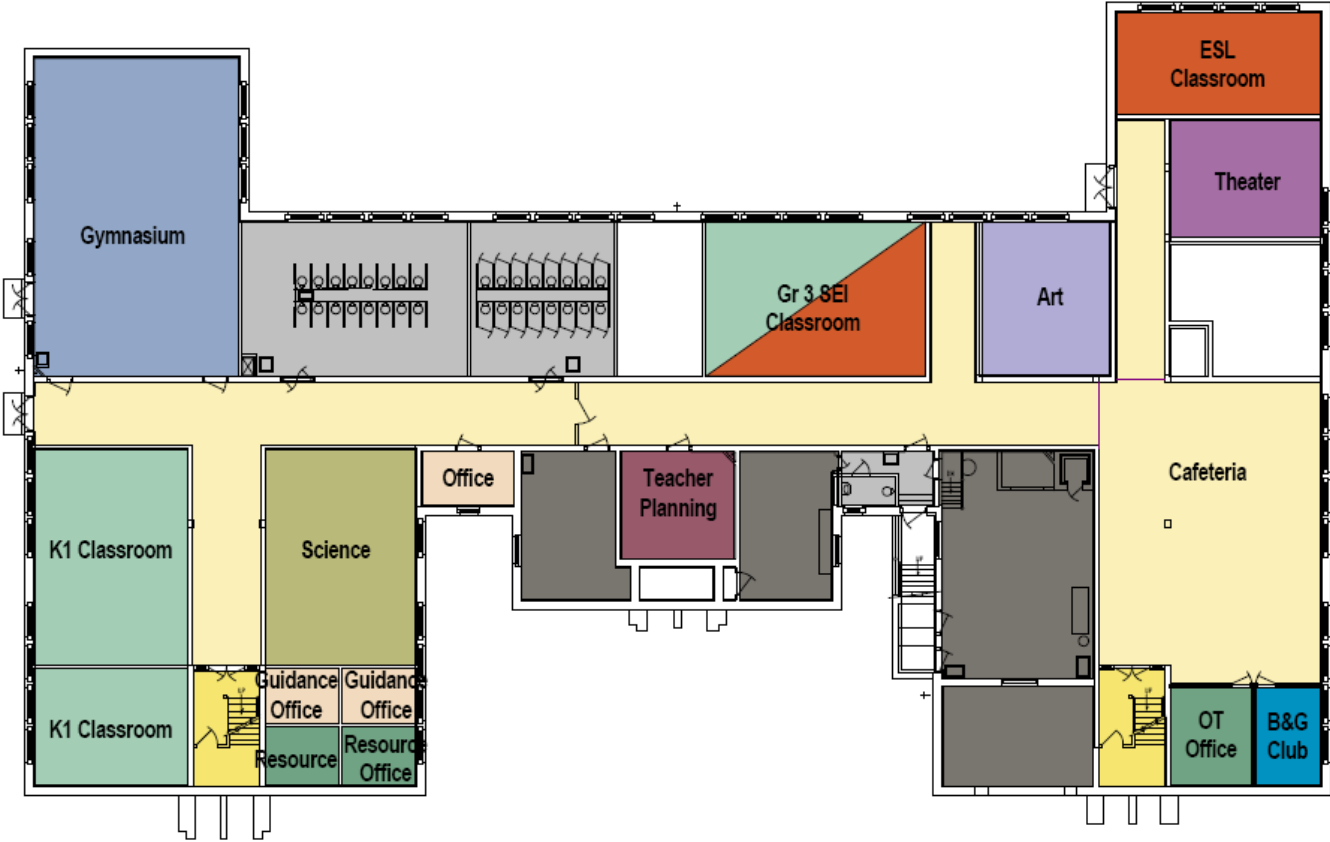
Fair

Poor

Failing

Comments:

# Existing Conditions



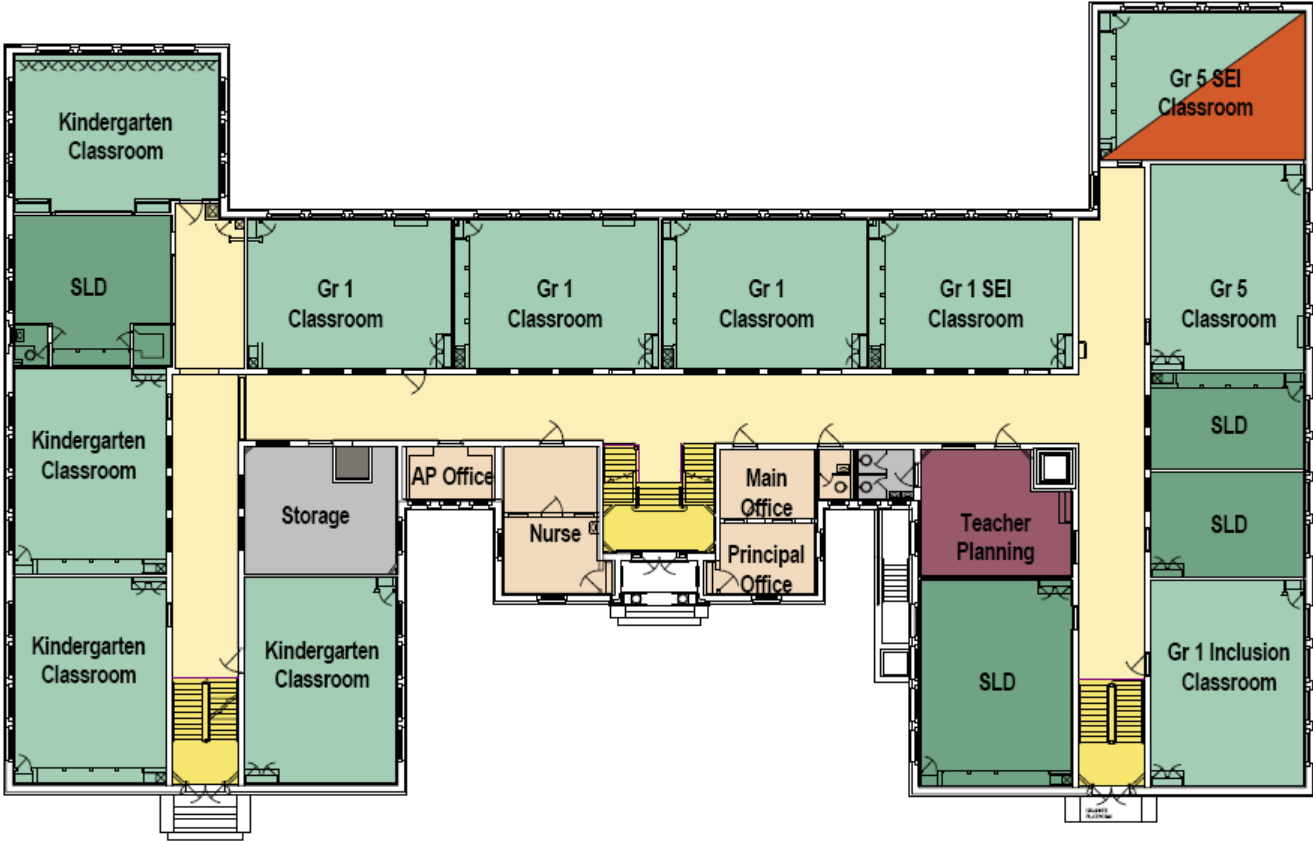
## PROGRAM PLAN LEGEND

ADMINISTRATION / GUIDANCE / STUDENT SERVICES / NURSE	CUSTODIAL / MAINTENANCE / STORAGE
ART & MUSIC	PHYSICAL EDUCATION & SPORT SUPPORT
AUDITORIUM / PERFORMING ARTS & DRAMA	SCIENCE CLASSROOM & SUPPORT
BUILDING EQUIPMENT	SPECIAL EDUCATION
CAFETERIA & CIRCULATION	TEACHER PLANNING & SUPPORT
CLASSROOM & GENERAL EDUCATION SUPPORT	VERTICAL CIRCULATION
COMMUNITY USE	











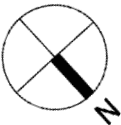


# Existing Conditions

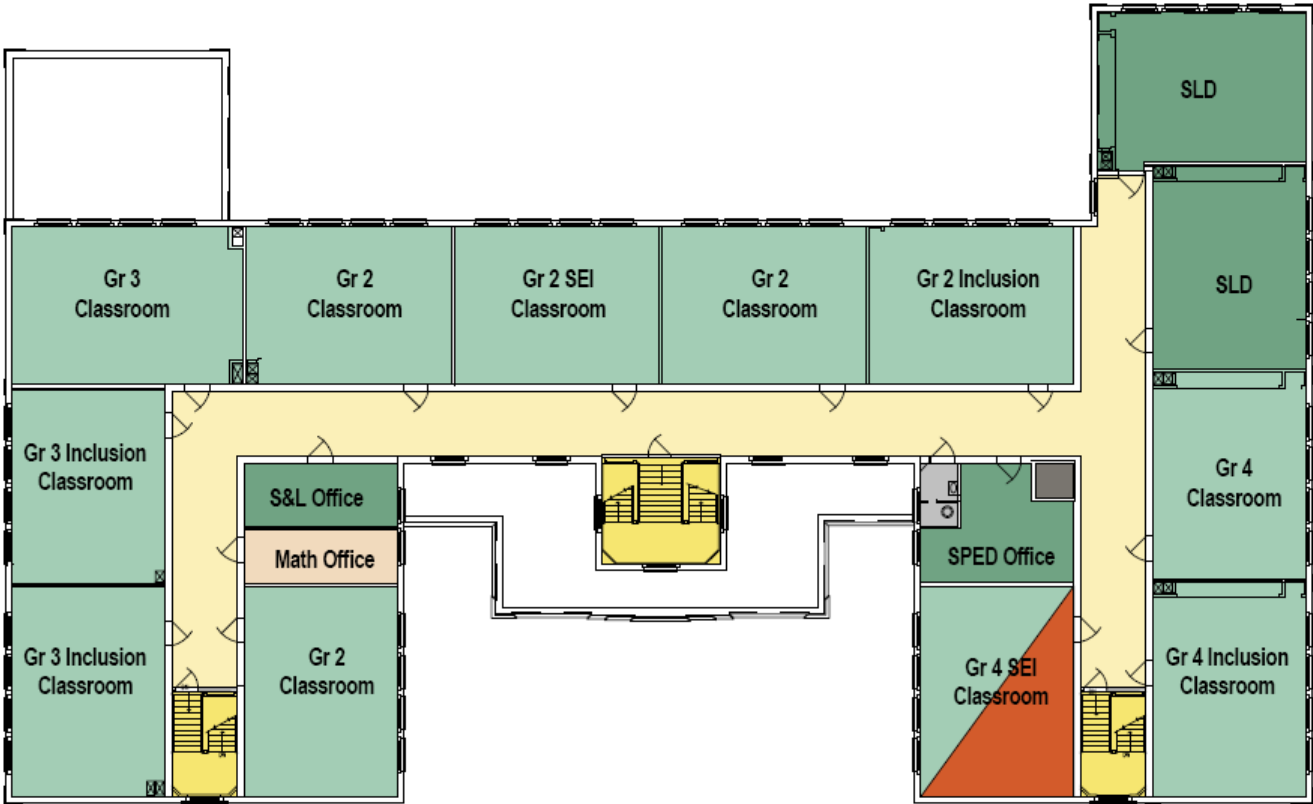


## PROGRAM PLAN LEGEND

 ADMINISTRATION / GUIDANCE / STUDENT SERVICES / NURSE	 CUSTODIAL / MAINTENANCE / STORAGE
 BUILDING EQUIPMENT	 SPECIAL EDUCATION
 CAFETERIA & CIRCULATION	 TEACHER PLANNING & SUPPORT
 CLASSROOM & GENERAL EDUCATION SUPPORT	 VERTICAL CIRCULATION



# Existing Conditions



## PROGRAM PLAN LEGEND

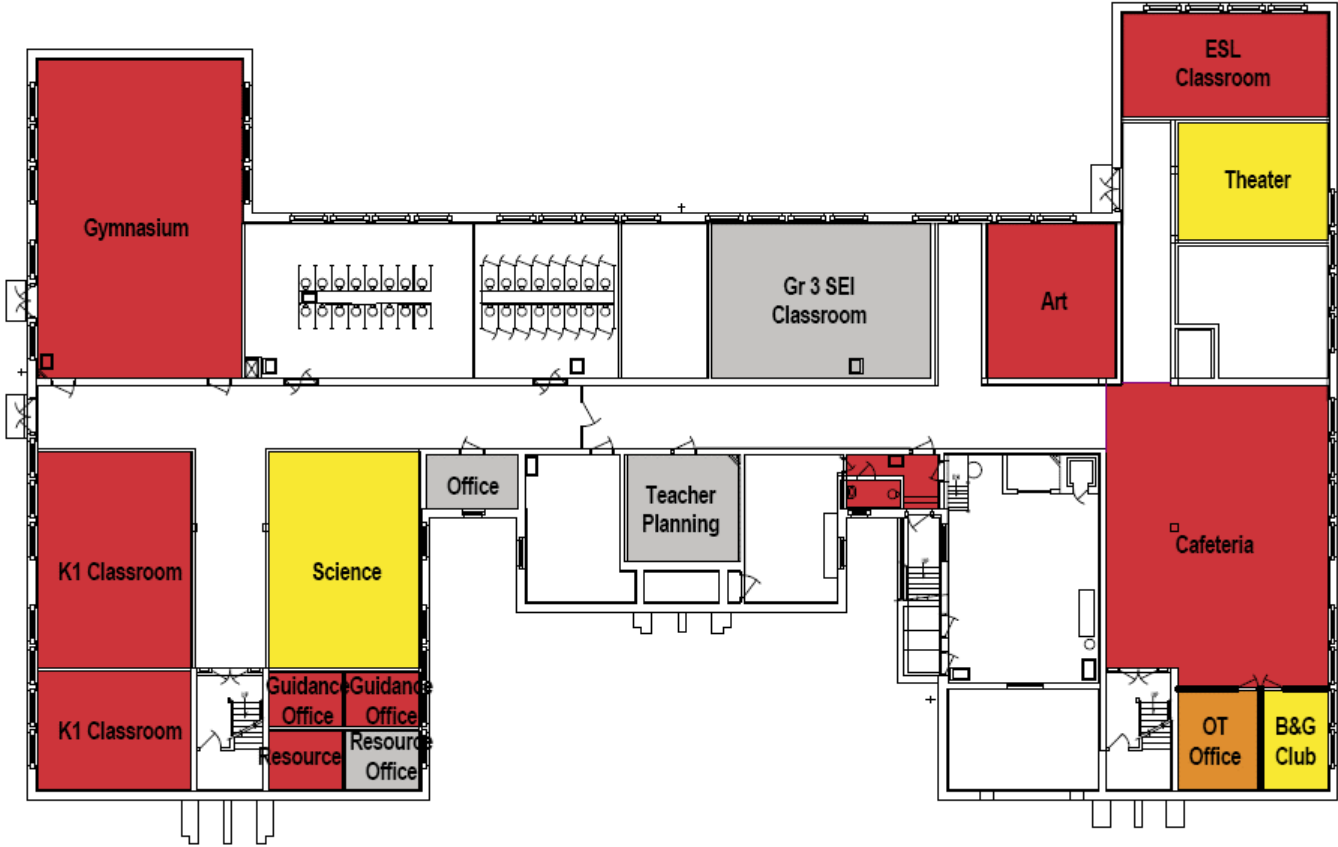
- ADMINISTRATION / GUIDANCE / STUDENT SERVICES / NURSE
- BUILDING EQUIPMENT
- CAFETERIA & CIRCULATION

- CLASSROOM & GENERAL EDUCATION SUPPORT
- CUSTODIAL / MAINTENANCE / STORAGE
- SPECIAL EDUCATION
- VERTICAL CIRCULATION

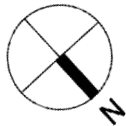
# MSBA Space Summary

Sumner Elementary		Existing Conditions		MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)	
ROOM TYPE	area totals		% Deficient/ Undersized	area totals	Comments
CORE ACADEMIC SPACES	18,683		-22%	23,800	
SPECIAL EDUCATION	3,546		-41%	6,040	
ART & MUSIC	458		-88%	3,800	
HEALTH & PHYSICAL EDUCATION	0		-100%	6,300	
MEDIA CENTER	0		-100%	3,118	
DINING & FOOD SERVICE	1,533		-80%	7,541	
MEDICAL	332		-46%	610	
ADMINISTRATION & GUIDANCE	1,656		-31%	2,409	
CUSTODIAL & MAINTENANCE	529		-75%	2,144	
OTHER	11,736			0	
Total Building Net Floor Area (NFA)	38,473		-31%	55,762	
Proposed Student Capacity / Enrollment	375		-31%	544	
Total Building Gross Floor Area (GFA) <sup>2</sup>	49,105		-40%	82,434	
Grossing factor (GFA/NFA)	1.28		-14%	1.48	

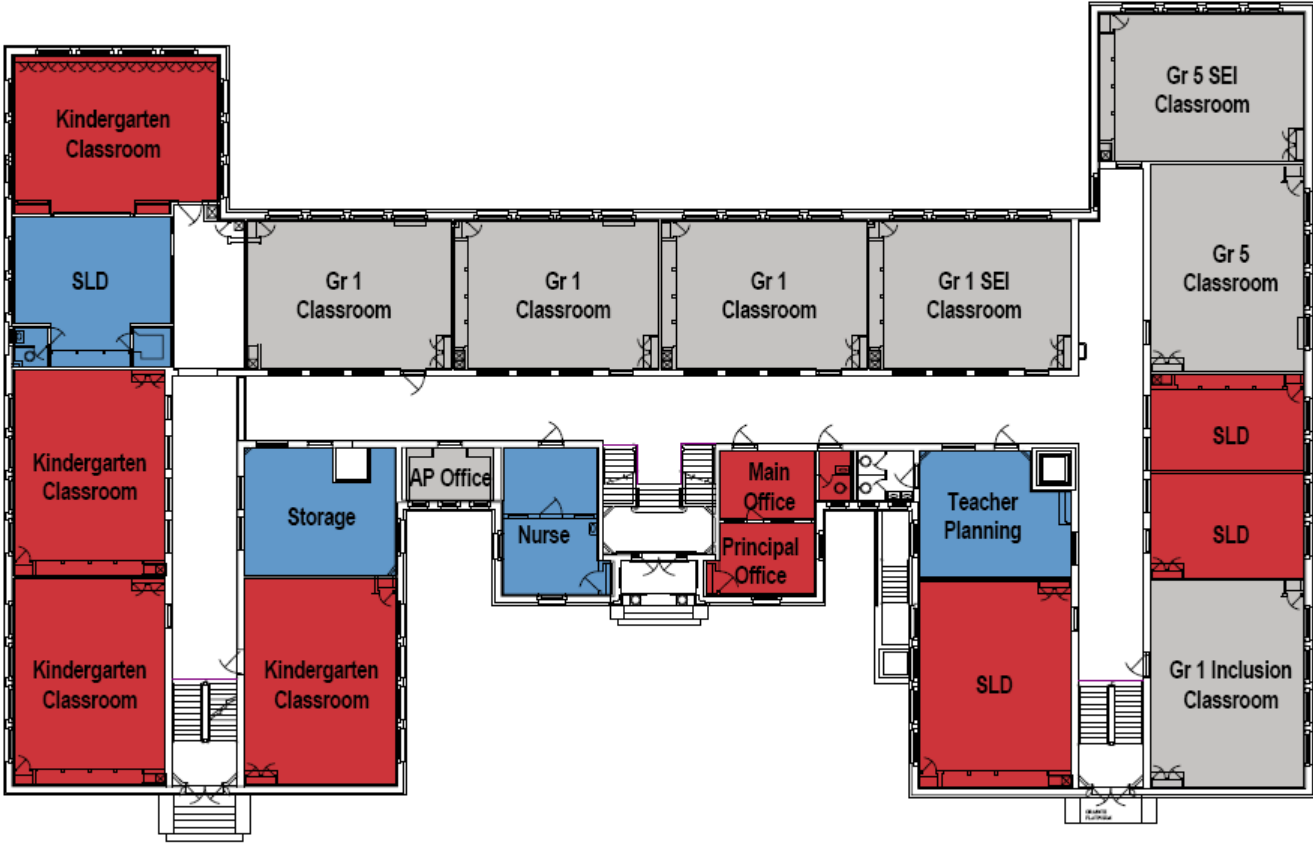
# Existing Conditions



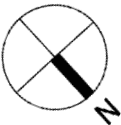
- INAPPROPRIATE LOCATION OR ADJACENCY
- NOT INCLUDED IN A TYPICAL MSBA PROJECT
- NSF AT LEAST 20% LESS THAN MSBA GUIDELINES
- NSF MEETS MSBA GUIDELINES (-20% TO +10%)



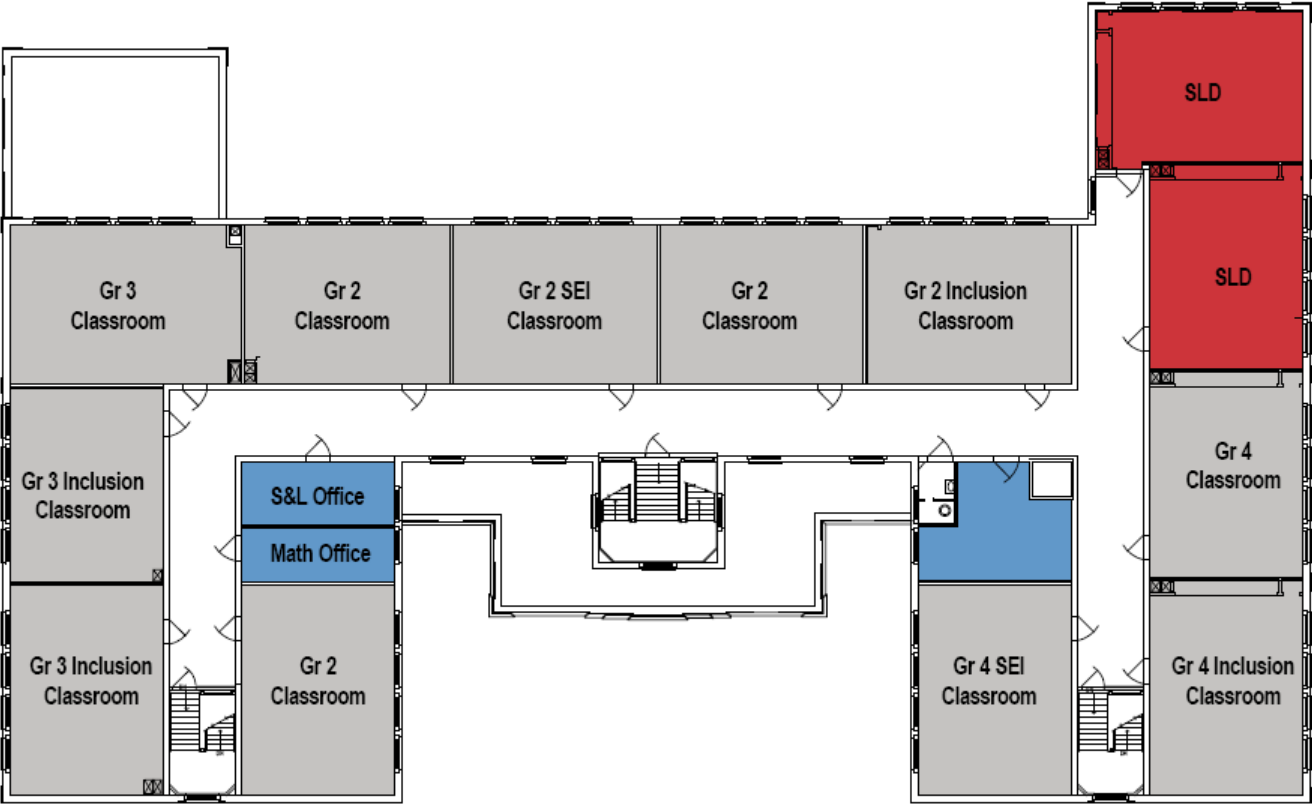
# Existing Conditions



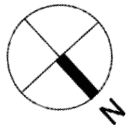
- NSF 10% GREATER THAN MSBA GUIDELINES
- NSF AT LEAST 20% LESS THAN MSBA GUIDELINES
- NSF MEETS MSBA GUIDELINES (-20% TO +10%)



# Existing Conditions



- NSF 10% GREATER THAN MSBA GUIDELINES
- NSF AT LEAST 20% LESS THAN MSBA GUIDELINES
- NSF MEETS MSBA GUIDELINES (-20% TO +10%)





# 21<sup>st</sup> Century Teaching & Learning



## The 6 Rs

Reading      Rigor  
Writing      Relevance  
Arithmetic   Relationship

## The 4 Cs

- Critical Thinking
- Communication
- Collaboration
- Creativity

*plus Citizenship*

Head & Hand

Growth Mindset

- Student-Centered
- Interdisciplinary
- Technology-Infused
- Community Connected
- Problem- and Project-Based
- Process and Product Oriented



# 21<sup>st</sup> Century Spaces for Learning

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- Changing Demographics
- School Organization
- Improved Science and Technology Spaces
- Incorporate Teacher Collaboration Areas
- 21<sup>st</sup> Century Teaching and Learning Methodologies
- Differentiated and Personalized Learning

# *School Environments*

- Required
  - Supports The Educational Vision of the District
  - Learning Environments types and sizes (using MSBA criteria)
  - Enrichment Spaces
  - Support Spaces
- Strongly Recommended
  - Spaces and appointments that support: PBL; Differentiated and Personalized Learning; other delivery models
- Nice to Have
  - Maker Spaces

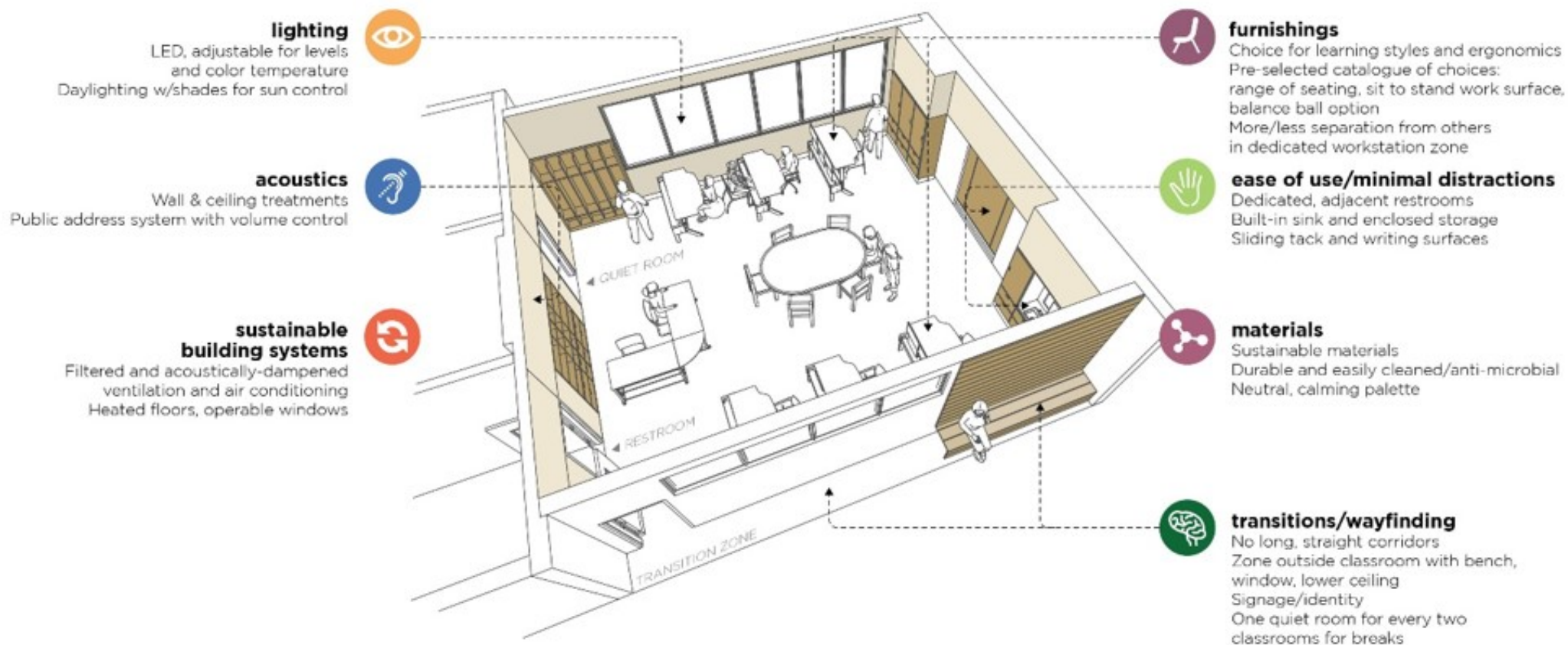


Elementary

# *Elementary Schools*



# Classroom Elements





Elementary

# *Enrichment: Music*

1,200 SF  
Acoustically isolated  
Acoustically appropriate





Elementary

# *Special Education: Resource Room*

Resource Rooms & Small  
Group Rooms vary from  
500 – 1,000 sf





Elementary

# *Enrichment: Art*

Fielding Nair International, Architect

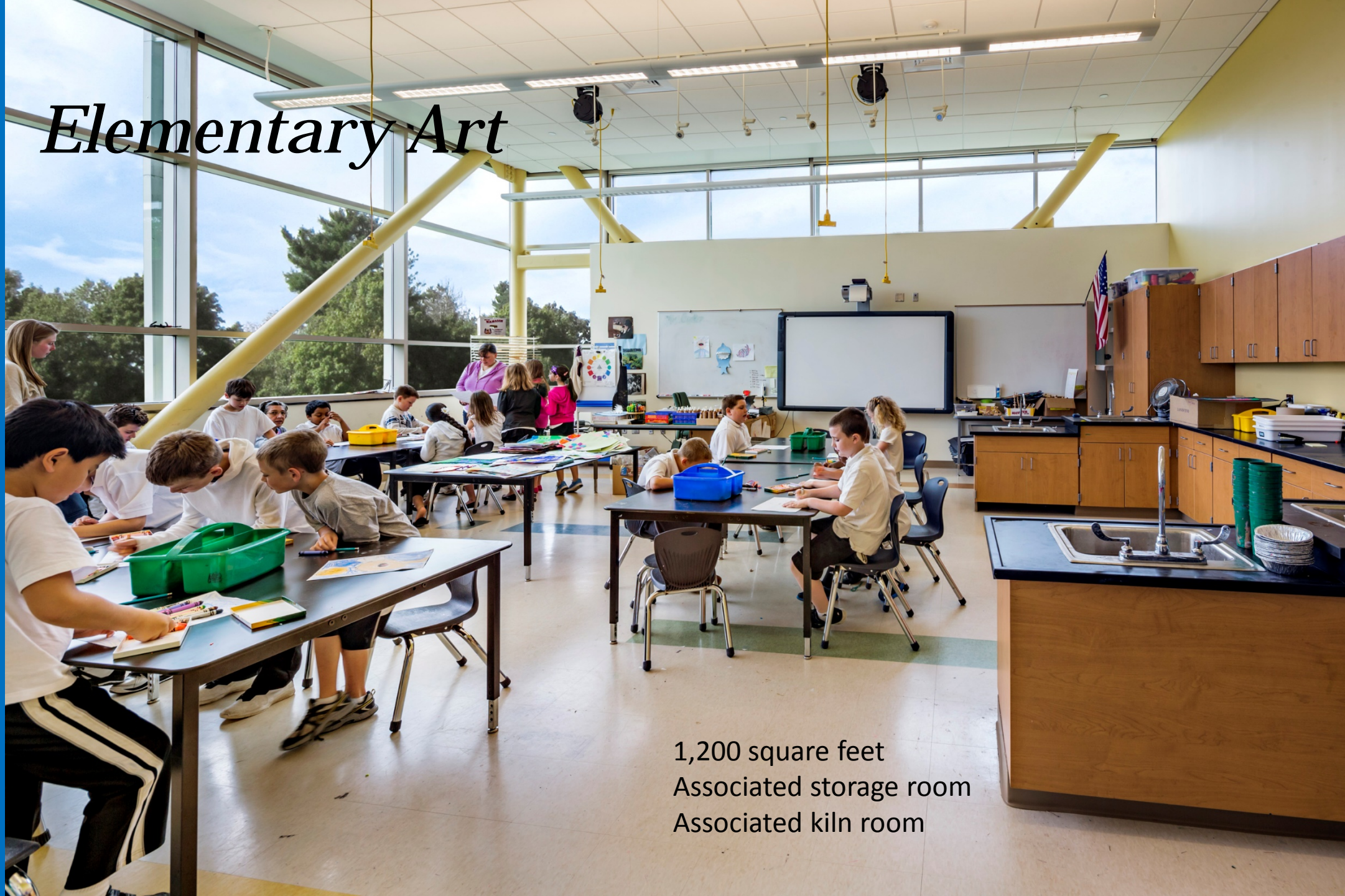


1,200 square feet  
Associated storage room  
Associated kiln room



Elementary

# *Elementary Art*



1,200 square feet  
Associated storage room  
Associated kiln room



Elementary

# *Gymnasium:*





Elementary

# *Outdoor Play*





Elementary

# *Outdoor Learning Environments*



Elementary

# *Outdoor Learning Environments*





Elementary

# *Elementary Schools:*

## **Academic Classrooms:**

Basic building block for elementary education

**900 – 950** square feet

Flexible furniture and environment

Capable of 1:1 Technology environment

**Student Centric**





Elementary

# *Maker Spaces*



Not an MSBA Guidelines space



Elementary

# *Media Center / Learning Commons*





Elementary

# *Learning Commons*





Elementary

# *Alternative / Personalized / Special Education – Breakout Rooms*





Elementary

# *Special Education: OT/PT*



OT/PT Gross and fine motor skills

Resource Rooms & Small Group Rooms  
vary from 500 – 1,000 Nsf



Elementary



*Personalized*



Elementary

# *Student Dining / Cafeteria / Stage*





Elementary

# *Multi-Use Cafeteria*





Elementary

# *Teacher Planning / Collaboration*





Elementary

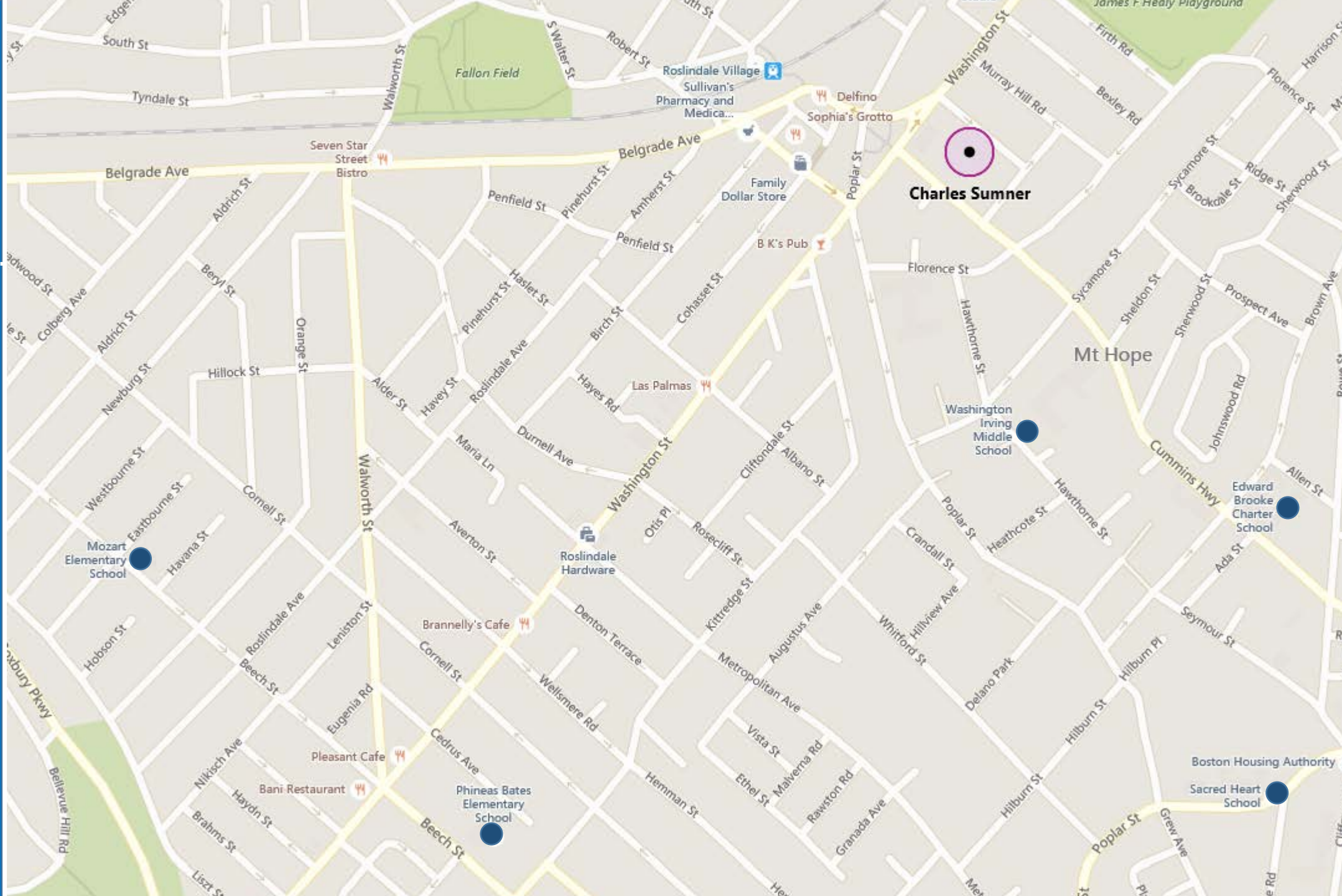
# *Secure Entry / Administration*





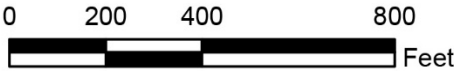
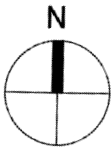
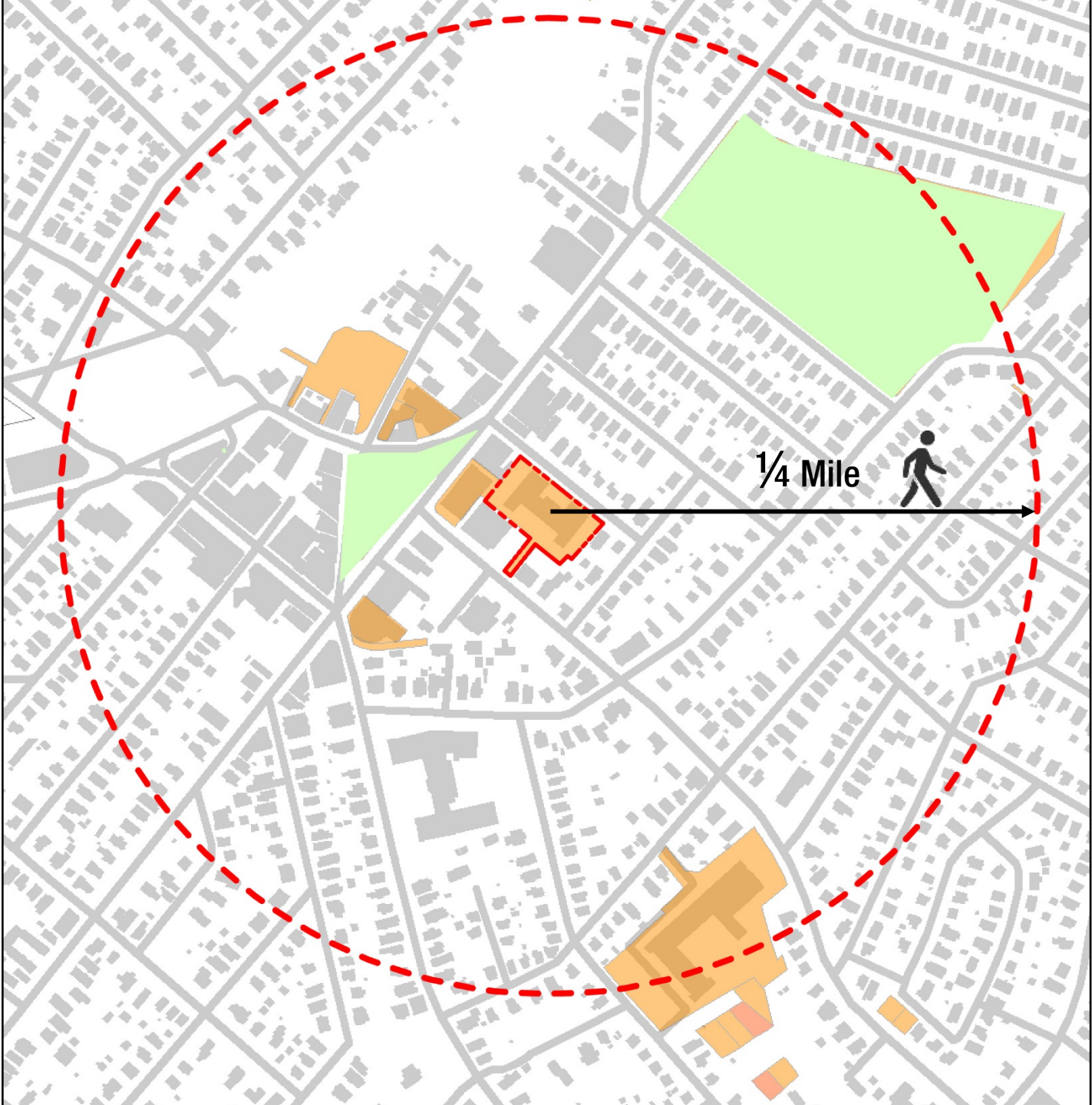
# Neighborhood

Roslindale  
Charles Sumner  
Elementary School



# Neighborhood

Roslindale  
Charles Sumner  
Elementary School

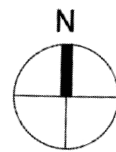


 City Owned Parcels



# SITE PLAN

Roslindale  
Charles Sumner  
Elementary School



# Small Groups and Discussion

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## Facility:

What are your impressions of the Building's physical state based on what you heard today?

## Community:

How does the Kilmer school support its neighborhood?

How does the Kilmer support its wider district area?

## Educational program “fit”:

Does the Kilmer school have the spaces it needs to serve its teachers and students?

What changes would you recommend for the physical building?

# Questions for the BuildBPS team

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# Next Steps

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# Thank You