

Franklin Public School District

### SCHOOL CAPACITY ASSESSMENT



School Committee May 12, 2020

## Purpose | Goals

Optimize School Capacity Quantitative | Qualitative

#### **Quantitative**

- Identify Existing Room Inventory
- Analyze Current Capacity & Utilization
- Analyze Capacity & Utilization based on Projected 2030 Enrollment\*

\* Franklin Public Schools Demographic Study – December 2019 McKibben Demographic Research, LLC

#### **Qualitative**

- Evaluate Current Educational Adequacy
- Review Opportunities for Enhancement

#### **Provide Recommendations**

## Understanding

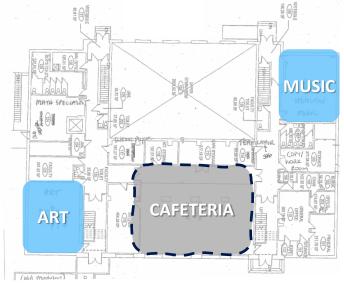
#### Capacity

- Building Capacity Total Capacity w/ all spaces used 100% of time
- Functional Capacity Total Capacity w/ all spaces used based on a Utilization Factor

#### **Utilization Factor**

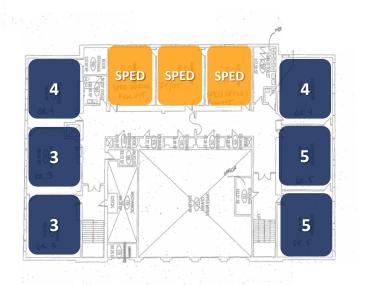
• Target Percentage for Use of Space



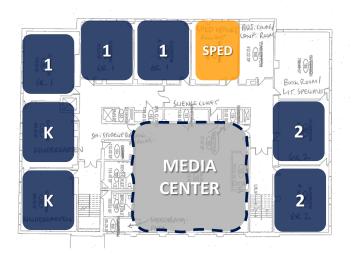


#### First Floor





#### Third Floor

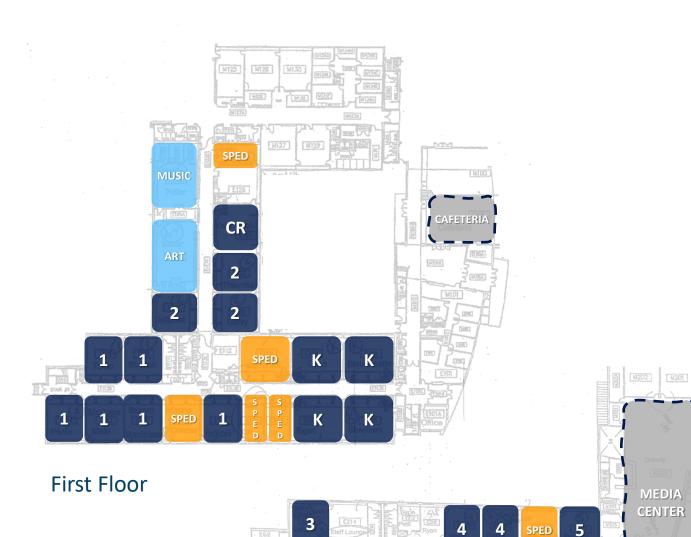


#### Second Floor



Davis Thayer Elementary	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	2	36	85%	30.6
Standard Classrooms		20	11	220	85%	187
Learning Support / Special Education		10	4	40	85%	34
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
TOTAL				336		286

Analysis		Area per student			Utilization		
Building area (SF)	42,018	Area	Benchmark	Variance	Utilization	Target	Variance
Current enrollment	227	185	180	5	68%	85%	17%
Projected Enrollment (10 Yrs)	269	156	180	-24	80%	85%	5%



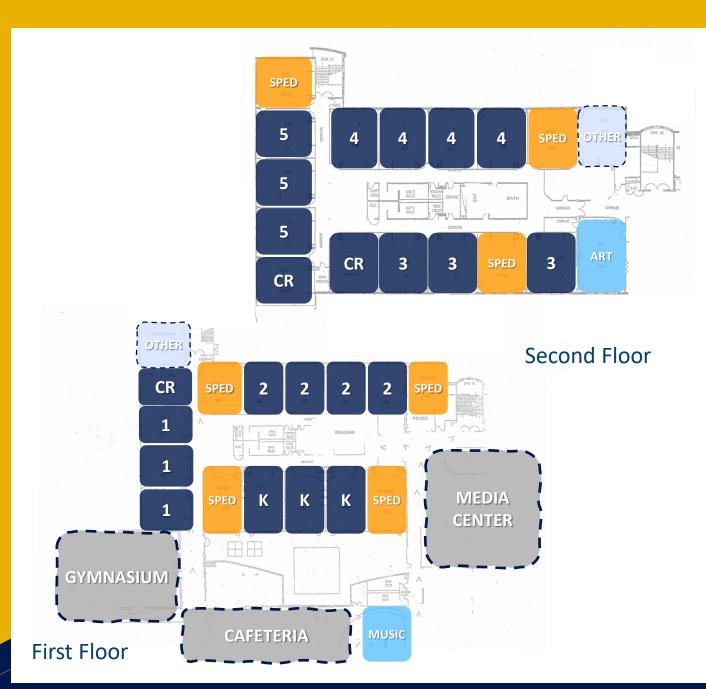
Second Floor

SPED



Oak Street Elementary	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	4	72	85%	61.2
Standard Classrooms		20	20	400	85%	340
Learning Support / Special Education		10	7	70	85%	60
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
TOTAL				572		486

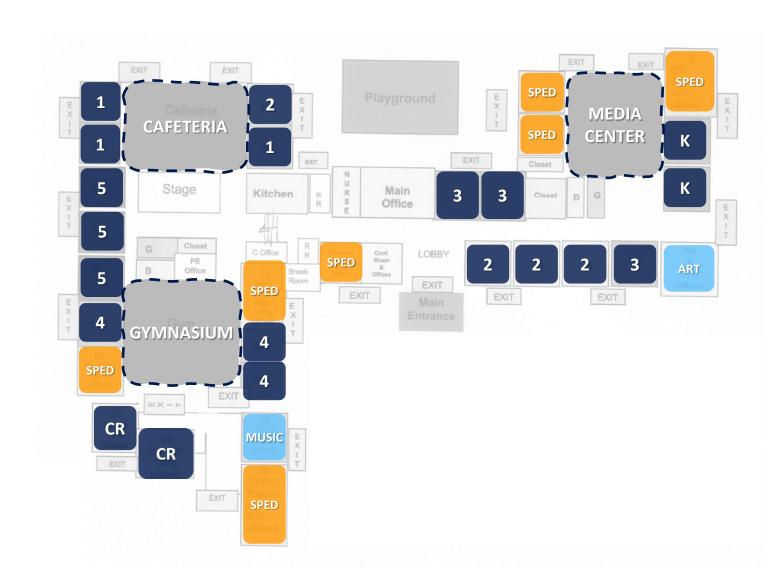
Analysis		Area per student			Utilization		
Building area (SF)	74,361	Area	Benchmark	Variance	Utilization	Target	Variance
Current enrollment	359	207	180	27	62%	85%	23%
Projected Enrollment (10 Yrs)	402	185	180	5	69%	85%	16%





Helen Keller Elementary	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	3	54	85%	45.9
Standard Classrooms		20	20	400	85%	340
Learning Support / Special Education		10	7	70	85%	60
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
Other		20	2	40	85%	34
TOTAL				604		513

Analysis		Area per student			Utilization			
Building area (SF)	50,505	Area	Benchmark	Variance	Utilization	Target	Variance	
Current enrollment	346	146	180	-34	57%	85%	28%	
Projected Enrollment (10 Yrs)	308	164	180	-16	51%	85%	34%	

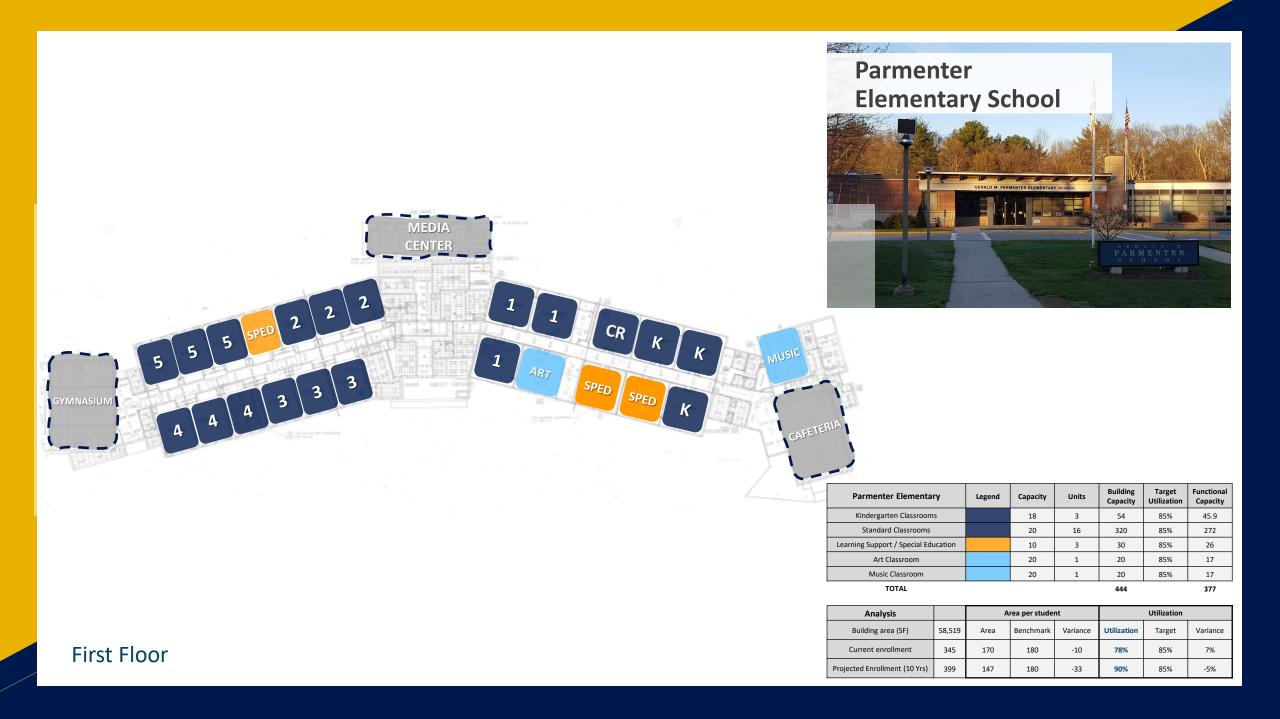


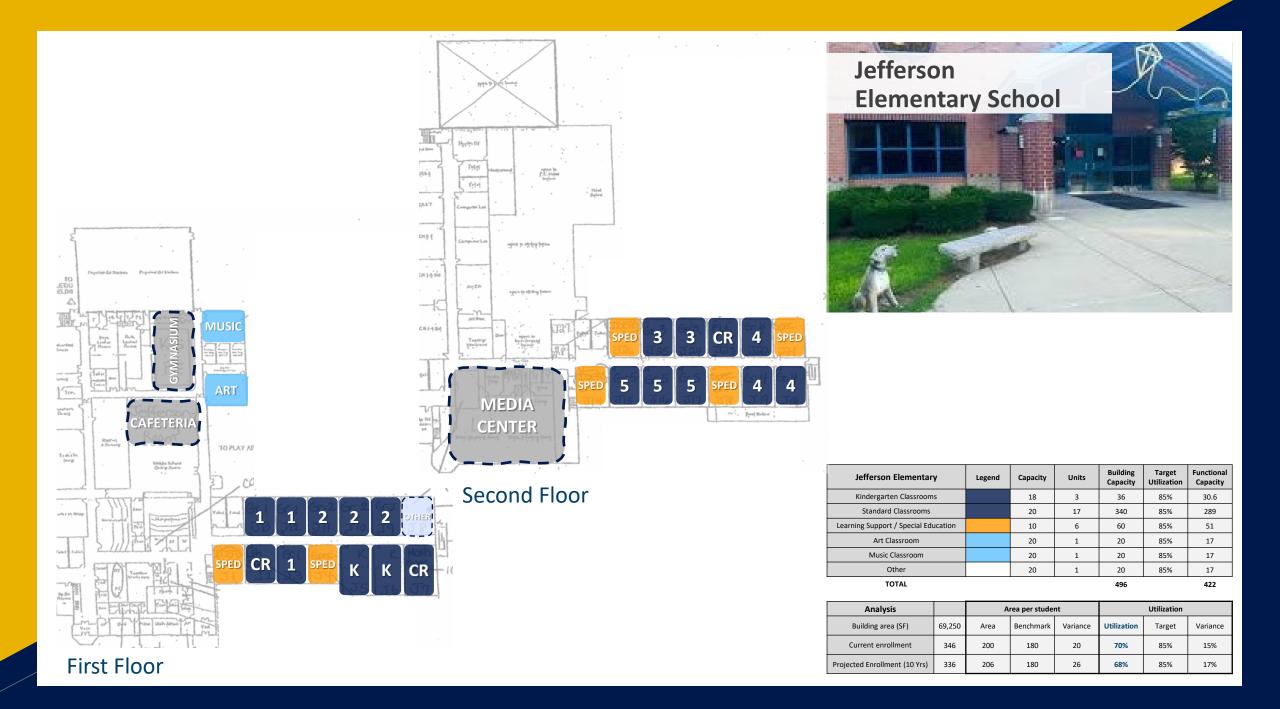
# Kennedy Elementary School

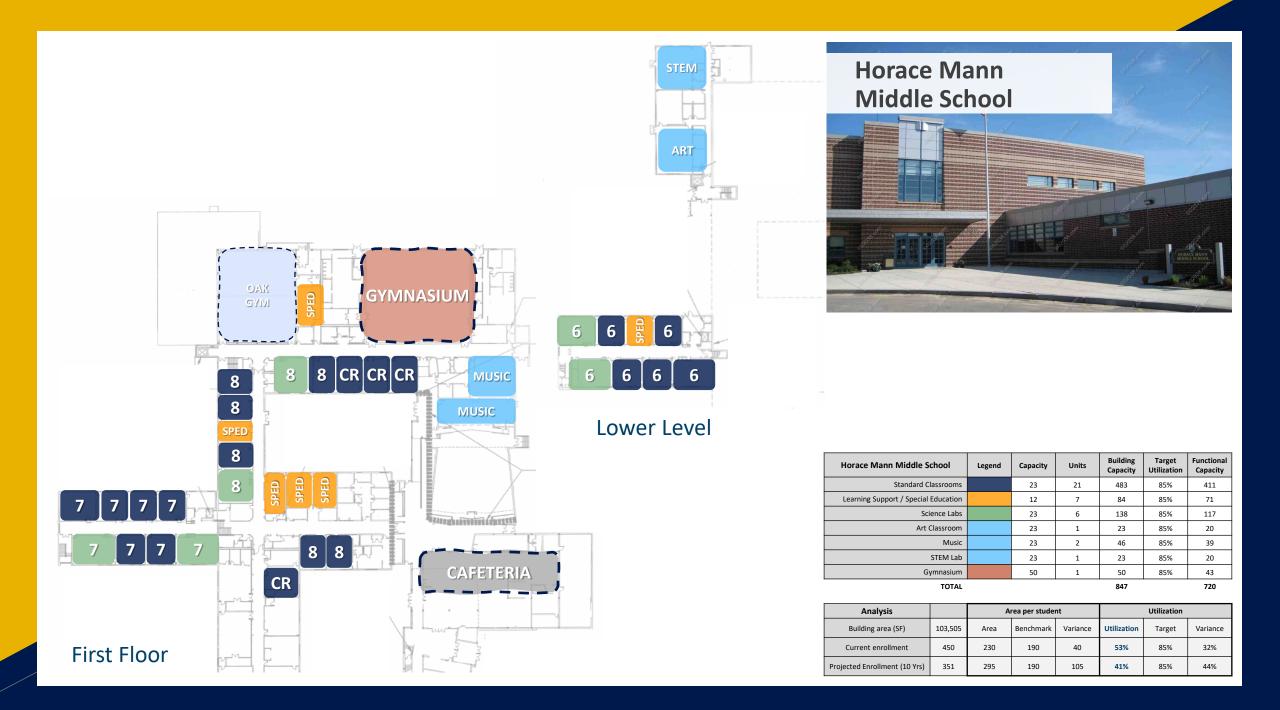
Kennedy Elementary	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	2	36	85%	30.6
Standard Classrooms		20	18	360	85%	306
Learning Support / Special Education		10	7	70	85%	60
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
TOTAL				506		430

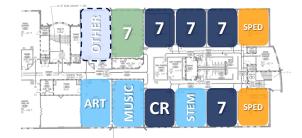
Analysis		Area per student			Utilization		
Building area (SF)	59,909	Area	Benchmark	Variance	Utilization	Target	Variance
Current enrollment	351	171	180	-9	69%	85%	16%
Projected Enrollment (10 Yrs)	294	204	180	24	58%	85%	27%

**First Floor** 









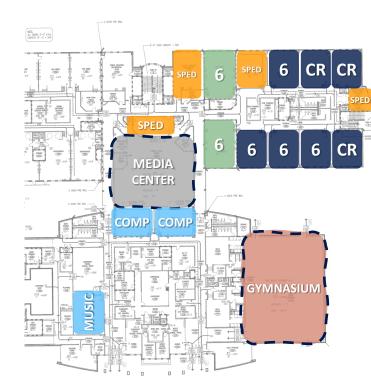
#### Second Floor

Annie Sullivan Middle School



Annie Sullivan Middle School	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Standard Classrooms		23	18	414	85%	352
Learning Support / Special Education		12	9	108	85%	92
Science Labs		23	5	115	85%	98
Computer Labs		20	2	40	85%	34
Art Classroom		23	1	23	85%	20
Music		23	2	46	85%	39
STEM Lab		23	2	46	85%	39
Gymnasium		50	1	50	85%	43
TOTAL				842		716

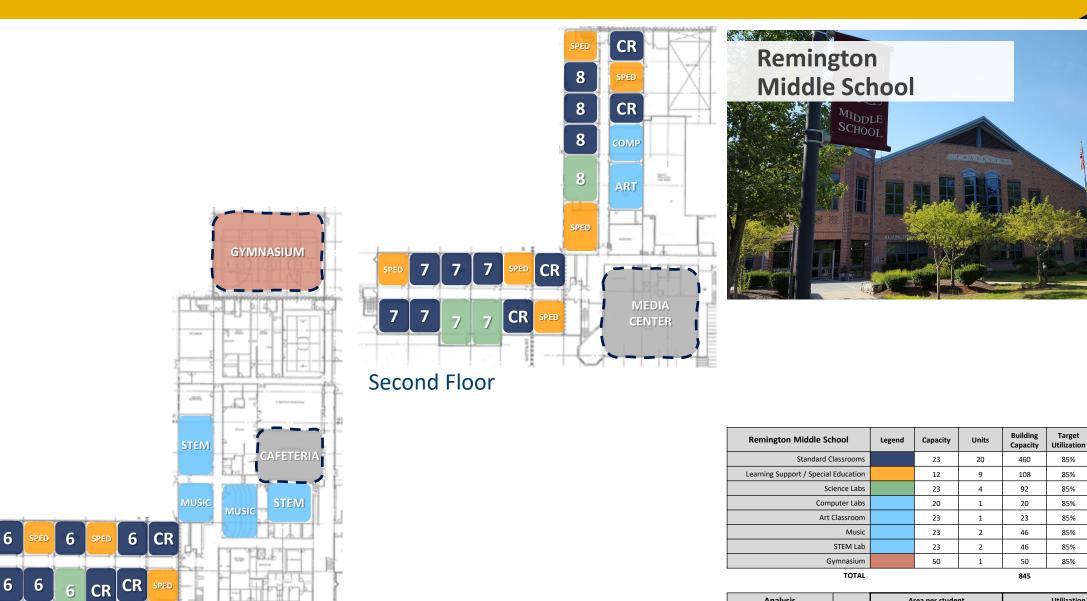
Analysis		Area per student			Utilization			
Building area (SF)	57,915	Area	Benchmark	Variance	Utilization	Target	Variance	
Current enrollment	382	152	190	-38	45%	85%	40%	
Projected Enrollment (10 Yrs)	292	198	190	8	35%	85%	50%	



**First Floor** 

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Lower Level

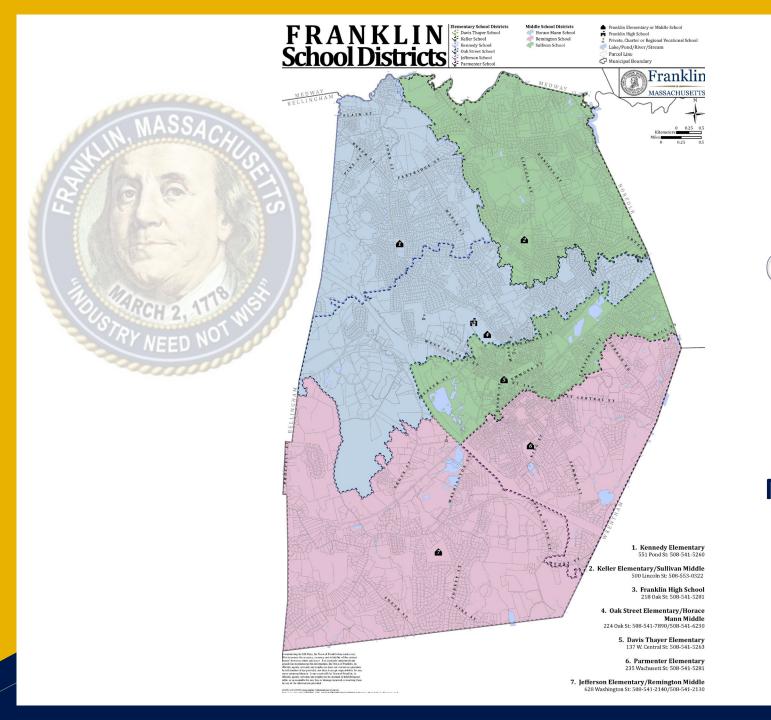


Analysis		Area per student			Utilization		
Building area (SF)	69,250	Area	Benchmark	Variance	Utilization	Target	Variance
Current enrollment	401	173	190	-17	47%	85%	38%
Projected Enrollment (10 Yrs)	382	181	190	-9	45%	85%	40%

Functional

Capacity

**First Floor** 



## DISTRICT UTILIZATION SUMMARY

CURRENT Elementary Schools 67% Middle School 49% PROJECTED

Elementary Schools 69% Middle School 41%

CURRENT Elementary Schools 62% Middle School 45%

PROJECTED Elementary Schools 66% Middle School 35%

Helen Keller Elementary	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	3	54	85%	45.9
Standard Classrooms		20	20	400	85%	340
Learning Support / Special Education		10	7	70	85%	60
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
Other		20	2	40	85%	34
TOTAL				604		513

Analysis		Area per student			Utilization			
Building area (SF)	50,505	Area	Benchmark	Variance	Utilization	Target	Variance	
Current enrollment	346	146	180	-34	57%	28%		
Projected Enrollment (10 Yrs)	308	164	180	-16	<b>51%</b> 85%		34%	

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1. Kennedy Elementary 551 Pond St: 508-541-5260

3. Franklin High School 218 Oak St: 508-541-5281

Mann Middle

2. Keller Elementary/Sullivan Middle

4. Oak Street Elementary/Horace

7. Jefferson Elementary/Remington Middle

5. Davis Thayer Elementary 137 W. Central St: 508-541-5263

6. Parmenter Elementary

 Annie Sullivan Middle School	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Standard Classrooms		23	18	414	85%	352
Learning Support / Special Education		12	9	108	85%	92
Science Labs		23	5	115	85%	98
Computer Labs		20	2	40	85%	34
Art Classroom		23	1	23	85%	20
Music		23	2	46	85%	39
STEM Lab		23	2	46	85%	39
Gymnasium		50	1	50	85%	43
TOTAL				842		716

Analysis		Area per student					
Building area (SF)	57,915	Area	Benchmark	Variance	Utilization	Target	Variance
Current enrollment	382	152	190	-38	45%	85%	40%
Projected Enrollment (10 Yrs)	292	198	190	8	35%	85%	50%

Davis Thayer Elementary	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	2	36	85%	30.6
Standard Classrooms		20	11	220	85%	187
Learning Support / Special Education		10	4	40	85%	34
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
TOTAL				336		286

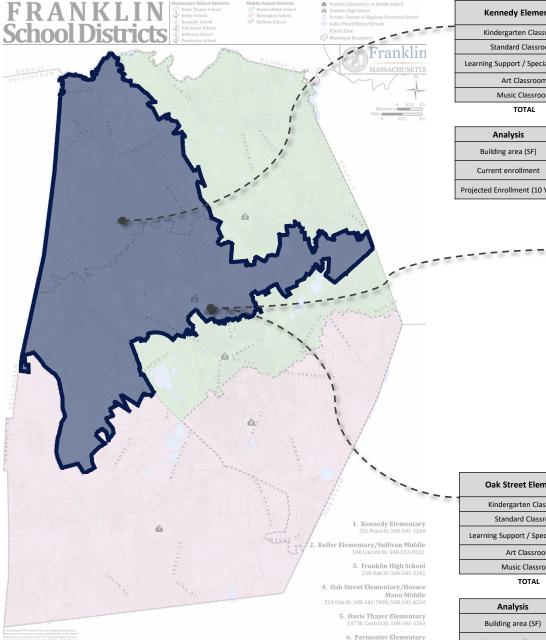
Analysis		Area per student			Utilization			
Building area (SF)	42,018	Area	Benchmark	Variance	Utilization	Target	Variance	
Current enrollment	227	185	180	5	68%	85%	17%	
Projected Enrollment (10 Yrs)	269	156	180	-24	80%	85%	5%	

Middle School Districts
Ibrace Mans School
Franklin High School
Franklin

FRANKLIN School Districts

### CURRENT Elementary Schools 66% Middle School 54%

PROJECTED Elementary Schools 64% Middle School 42%



7. Jefferson Elementary/Remington Middle

Kennedy Elementary	Legend	Canacity Units		Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	2	36	85%	30.6
Standard Classrooms		20	18	360	85%	306
Learning Support / Special Education		10	7	70	85%	60
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
TOTAL				506		430
Analysis	Area per student Utilization					

Analysis		A	rea per stude	nı	Oulization					
Building area (SF)	59,909	Area	Benchmark	Variance	Utilization	Target	Variance			
Current enrollment	351	171	180	-9	69%	85%	16%			
Projected Enrollment (10 Yrs)	294	204	180	24	58%	85%	27%			

Horace Mann Middle School	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Standard Classrooms		23	21	483	85%	411
Learning Support / Special Education		12	7	84	85%	71
Science Labs		23	6	138	85%	117
Art Classroom		23	1	23	85%	20
Music		23	2	46	85%	39
STEM Lab		23	1	23	85%	20
Gymnasium		50	1	50	85%	43
TOTAL				847		720

Analysis		Area per student					
Building area (SF)	103,505	Area	Benchmark	Variance	Utilization	Target	Variance
Current enrollment	450	230	190	40	53%	85%	32%
Projected Enrollment (10 Yrs)	351	295	190	105	41%	85%	44%

Oak Street Elementary	Legend	Capacity	Units	Building Capacity	Target Utilization	Functional Capacity
Kindergarten Classrooms		18	4	72	85%	61.2
Standard Classrooms		20	20	400	85%	340
Learning Support / Special Education		10	7	70	85%	60
Art Classroom		20	1	20	85%	17
Music Classroom		20	1	20	85%	17
TOTAL				572		486

Analysis		Area per student			Utilization			
Building area (SF)	74,361	Area	Benchmark	Variance	Utilization	Target	Variance	
Current enrollment	359	207	180	27	62%	85%	23%	
Projected Enrollment (10 Yrs)	402	185	180	5	69%	85%	16%	

### **CURRENT Elementary Schools** 74% **Middle School** 47%

PROJECTED **Elementary Schools** 79% **Middle School 45%** 

FRANKLIN School Districts School Districts School Districts School Districts	Franklin Elementary or Middle School     Franklin High School     Private, Charter or Regional Vocational School     Lake/Pond/Niver/Stream     Pared Line	Parmenter Elementa	· · · ·	Legend	Capacity		s Ca		Target Itilization	Functional Capacity	
SCHOOL DISTICTS	Municipal Boundary	Kindergarten Classroom			18	3		54	85%	45.9	_
and the second of the second o	Franklin	Standard Classrooms			20	16		320	85%	272	4
MEDWAY	MASSACHUSETTS	Learning Support / Special Ed	ucation		10	3		30	85%	26	4
BELLINGHAM		Art Classroom			20	1		20	85%	17	_
Prince and the second s		Music Classroom		20		1		20	85%	17	
1 1 1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kilometers 60 0.25 0.5 Miles 0 0.25 0.5	TOTAL					4	444		377	
and the second s		Analysis	Area pe		rea per stu	dent		L	Itilization		
and assessed the second	j j	Building area (SF)	58,519	Area	Benchmai	rk Varian	ce Util	ization	Target	Variance	
	A A A A A A A A A A A A A A A A A A A	Current enrollment	345	170	180	-10	7	78%	85%	7%	1
		Projected Enrollment (10 Yrs)	399	147	180	-33	g	90%	85%	-5%	
· ····································			Rei	mington Mi	ddle Scho	ol	Legend	Capacit	y Uni		lding acity
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			St	andard Clas	srooms		23	20		60
A A MARTIN MARTIN			Lear	ning Support	/ Special Ed	ucation		12	9	1	.08
the state the second state of the second state					Scien	ce Labs		23	4	g	92
					Comput	er Labs		20	1	2	20
					Art Cla	ssroom		23	1	2	23
- 7 22 Kon Stand Stand Constants in 1	· ····································					Music		23	2	4	46
	i standard i				ST	EM Lab		23	2	4	46
A CAR AND A CAR					Gym	inasium		50	1	5	50
	1					TOTAL				8	45
	TTRAL ST			Analysis			A	Area per stu	Ident		
	i		Bu	ilding area (SF	=)	69,250	Area	Benchma	irk Varia	nce Utiliz	zation
	;		Cur	rent enrollme	nt	401	173	190	-17	7 43	7%
9	1		Projecte	d Enrollment	(10 Yrs)	382	181	190	-9	4	5%
	1										
	1	Jefferson Elementary	y	Legend	Capacity	Units			Target tilization	Functional Capacity	
		Kindergarten Classroom	s		18	3	:	36	85%	30.6	
		Standard Classrooms			20	17	3	340	85%	289	
·	1. Kennedy Elementary 551 Pond St: 508-541-5260	Learning Support / Special Edu	ucation		10	6	(	60	85%	51	
The Albert Manual Contraction Steeres	2. Keller Elementary/Sullivan Middle	Art Classroom			20	1		20	85%	17	

Music Classroom

Other

TOTAL

3. Franklin High School 218 Oak St: 508-541-5281 4. Oak Street Elementary/Horace Mann Middle

Keller Elementary/Sullivan Middle

5. Davis Thayer Elementary 137 W. Central St: 508-541-5263

6. Parmenter Elementary

7. Jefferson Elementary/Remington Middle

Analysis		Area per student			Utilization		
Building area (SF)	69,250	Area	Benchmark	Variance	Utilization	Target	Variance
Current enrollment	346	200	180	20	70%	85%	15%
Projected Enrollment (10 Yrs)	336	206	180	26	68%	85%	17%

20

20

1

1

20

20

496

85%

85%

Target

Utilization

85%

85%

85%

85%

85%

85%

85%

85%

Utilization

Target

85%

85%

17

17

422

Functional

Capacity

391

92 78

17 20

39

39

43

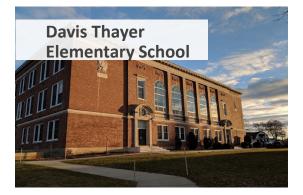
718

Variance

38%

40%

## **Educational Adequacy**



#### SITE

- Lack of Sufficient Parking
- Students Cross Driveway to Access Playground
- No On-site Parent Drop-off

#### BUILDING

- ✓ Well-maintained
- Built during the Industrial Era
- Lack of Accessibility
- Poor Natural Security
  - Access to Building and Student Population Before Entering Main Office

#### **EDUCATIONAL**

- All Spaces below Current Educational Size Standards (-200sf)
- Multiple Building Levels Impede Student / Staff Collaboration
- Lack of Break-out / Collaboration / Makerspaces



#### SITE

- ✓ Generally Adequate
- ✓ Separate Bus / Parent / Service Circulation
- Lack of Sufficient Parent Drop-off

#### BUILDING

- ✓ Well-maintained
- ✓ Relatively New Construction
- Overlap of Elementary & Middle School Students for Cafeteria, Auditorium & Gymnasium

#### **EDUCATIONAL**

- ✓ Modern Small-learning Community Organization
- ✓ Secure Courtyard Provides Safe Outdoor Learning Space
- Lack of Break-out / Collaboration / Makerspaces
- Playground Location "Remote" from School



#### SITE

- ✓ Generally Adequate
- Overlapping Bus / Parent / Service Circulation
- Limited Secondary Emergency Access

#### BUILDING

- ✓ Well-maintained
- ✓ Relatively New Construction
- ✓ Clear Separation of Elementary and Middle School Population

#### **EDUCATIONAL**

- ✓ Modern Small-learning Community Organization
- ✓ Secure Courtyard Provides Safe Outdoor Learning Space and Playground
- ✓ Centrally Located Collaboration Spaces Integrated into Learning Communities

## **Educational Adequacy**



#### SITE

- Overlapping Bus / Parent / Service Circulation
- Students Cross Driveway at Arrival and Pick-up

#### BUILDING

- ✓ Well-maintained, but Dated
- Lack of Accessibility
- Temporary Modular Classrooms Have Extended beyond Useful Life
- Poor Natural Security
  - Access to Building and Student Population Before Entering Main Office
  - Multiple Building Entries

#### **EDUCATIONAL**

- Lack of Break-out / Collaboration / Makerspaces
- Entry to Educational Spaces through Gym, Cafeteria, Media Center



#### SITE

- Overlapping Site Circulation
- Parking Along Bus Loop
- Lack of Sufficient Parent Drop-off

#### BUILDING

- ✓ Well-maintained
- ✓ Simple, Compact Organization
- No Dedicated Toilet in Kindergarten Classrooms

#### **EDUCATIONAL**

- ✓ Modern Small-learning Community Organization
- ✓ Media Center Located a "Heart" of Building
- Lack of Structured Outdoor Learning Spaces
- Lack of Break-out / Collaboration Spaces
- Students Cross Driveway to Access Playground



#### SITE

- ✓ Generally Adequate
- ✓ Simple Site Circulation
- ✓ Pathways to Adjacent Neighborhoods
- Significant Vegetation and Site Features Obstruct Natural Surveillance

#### BUILDING

- $\checkmark$  Well-maintained
- ✓ Relatively New Construction
- ✓ Simple, Compact Organization
- ✓ Clear Separation of Elementary and Middle School Population
- ✓ Secure Main Entry

#### **EDUCATIONAL**

- ✓ Media Center Located a "Heart" of Building
- Lack of Structured Outdoor Learning Spaces
- Lack of Break-out / Collaboration / Makerspaces

### **Educational Adequacy**



#### SITE

- ✓ Generally Adequate
- ✓ Separate Bus / Parent / Service Circulation
- Lack of Sufficient Parent Drop-off

#### BUILDING

- ✓ Well-maintained
- ✓ Relatively New Construction
- Overlap of Elementary & Middle School Students for Cafeteria, Auditorium & Gymnasium

#### **EDUCATIONAL**

- ✓ Modern Small-learning Community Organization
- ✓ Secure Courtyard Provides Safe Outdoor Learning Space
- Lack of Break-out / Collaboration / Makerspaces
- Art and STEM Lab Location "Remote" from Core Academic Spaces



#### SITE

- ✓ Generally Adequate
- Overlapping Bus / Parent / Service Circulation

#### BUILDING

- ✓ Well-maintained
- ✓ Relatively New Construction
- ✓ Clear Separation of Elementary and Middle School Population

#### **EDUCATIONAL**

- ✓ Modern Small-learning Community Organization
- ✓ Secure Courtyard Provides Safe Outdoor Learning Space and Playground
- ✓ Centrally Located Collaboration Spaces Integrated into Learning Communities
- Lack of Structured Outdoor Learning Spaces



#### SITE

- ✓ Generally Adequate
- ✓ Simple Site Circulation
- ✓ Pathways to Adjacent Neighborhoods
- Significant Vegetation and Site Features Obstruct Natural Surveillance

#### BUILDING

- $\checkmark$  Well-maintained
- ✓ Relatively New Construction
- ✓ Simple, Compact Organization
- ✓ Clear Separation of Elementary and Middle School Population
- ✓ Secure Main Entry

#### **EDUCATIONAL**

- ✓ Media Center Located a "Heart" of Building
- Lack of Structured Outdoor Learning Spaces
- Lack of Break-out / Collaboration / Makerspaces

## **Next Steps**

#### Optimize School Capacity Quantitative | Qualitative

#### **Develop Multiple Solutions**

- Address Low Utilization Rates
- Provide Opportunities for Enhancement of Educational Environment
- Consider Fiscally Responsible Solutions

#### Prepare a Report

- Summarize Findings
- Provide Recommendations



## Thank You.