

Region 18 Schools

Community Information Forum

September 30, 2021



Agenda & Overview

Welcome & Building Study Overview

- Ian Neviaser – Superintendent of Schools

Introduction of QA+M & Study Update

- Rusty Malik, QA+M Architecture

21st Century Learning Environments

- Rusty Malik, QA+M

Community Input

- Questions & Concerns

Next Steps

- Ian Neviaser – Superintendent of Schools



The Challenge with Our School Buildings

Facility Concerns – Last Renovations 20 Years Ago

- HVAC Systems & Healthy Indoor Environments
- Accessibility / Code Compliance
- Safety & Security
- Acoustics
- Classroom Finishes, Millwork & Technology
- Parking & Site Safety
- Parity of Facilities
- 21st Century / Future Ready Learning Environments
- Utilization of Space



PROCESS - Educational Programming

PROGRAM ANALYSIS

Existing Conditions

- Facilities Impact on Education

Educational Program

- **Educational Visioning**
- 21st Century Learning Environments
- Educational Trends & Design Considerations
- **Space Needs & State Reimbursement**
- Grade Configurations
- Special Education Needs
- Facility Parity
- **Safety & Security**
- Technology
- Educational Specifications

Enrollment Projections

- Historical Analysis



OSCG&R SPACE STANDARDS WORK SHEET

This worksheet should be completed and submitted with the application for any N (new), E (extension), A (alteration), or RENO (renovation) project, or combination of such types of project.

State Standard Space Specifications Grades

Projected Enrollment	Pre-K and K	1	2	3	4	5	6	7	8	9	10	11	12
Allowable Square Footage per Pupil													
0 - 350	124	124	124	124	124	156	156	180	180	180	194	194	194
351 - 750	120	120	120	120	120	152	152	176	176	176	190	190	190
751 - 1500	116	116	116	116	116	148	148	170	170	170	184	184	184
Over 1500	112	112	112	112	112	142	142	164	164	164	178	178	178

- Under the column headed "Projected Enrollment", find the range within which your school's highest projected 8 year enrollment falls.
- Using the figures on that line, complete the grid below for only those grades housed within the school.

Pre-K	_____	6
K	_____	7
1	_____	8
2	_____	9
3	_____	10
4	_____	11
5	_____	12

- Total (grades Pre-K through 12)
- Number of grades housed
- Average $[(a)/(b)]$
- Highest Projected 8-year Enrollment
- Maximum Square Footage $[(c) \times (d)]$

- Total square footage at completion of project:

- Existing area constructed pre-1950. 0
- Multiply "a." by 80% 0
- Area (at completion of project) constructed 1950 or later. _____
- Square footage for space standards computation (b+c). _____

If line 2(e) is greater than line 3(d) there is no grant reduction.

If line 3(d) is greater than line 2(e), divide line 2(e) by line 3(d). 0

* This factor will be used to reduce total eligible costs because of space in excess of the maximum eligible for reimbursement.
If a project exceeds the standards solely as the result of extraordinary programmatic requirements, the superintendent may submit a request to the Commissioner for a waiver. A detailed list of space allocations for all extraordinary programs with explanations must be included with the request.

Region #18 TOWNS OF LYME & OLD LYME 2021 REIMBURSEMENT RATE IS 36.43%

Center School Grant Eligibility 2026

Center 87 PK Students 2021: 10,788 NSF Allowable

Center 87 PK Students 2030: 10,788 NSF Allowable

Existing Building Area – 37,200 SF

Lyme Consolidated School Grant Eligibility 2024

Lyme 196 Students K-5 in 2021: 26,513 NSF Allowable

Lyme 275 Students K-5 in 2028: 35,565 NSF Allowable

Existing Building Area – 42,535 SF

Mile Creek School Grant Eligibility Upon Closeout of Project

Mile Creek 296 Students K-5 in 2021: 32,332 NSF Allowable

Mile Creek 376 Students K-5 in 2028: 47,125 NSF Allowable

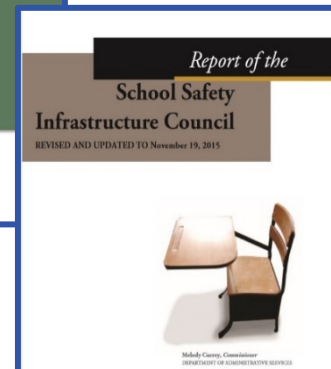
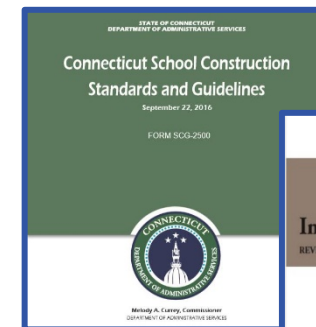
Existing Building Area – 52,609 SF

Lyme – Old Lyme Middle Grant Eligibility 2026

LOL Middle 272 Students 6-8 in 2021: 47,988 NSF Allowable

LOL Middle 400 Students 6-8 in 2029: 67,200 NSF Allowable

Existing Building Area – 88,487 SF



Enrollment Projections



RSD #18, CT Projected Enrollment

School District: RSD #18, CT

10/26/2020

Enrollment Projections By Grade*																				
Birth Year	Births		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2015	52		2020-21	95	77	79	69	84	77	80	91	83	96	95	112	126	119	0	1188	1283
2016	60		2021-22	95	100	79	86	74	86	81	82	92	86	97	97	110	123	0	1193	1288
2017	49		2022-23	96	79	105	86	92	76	91	84	83	96	88	101	96	108	0	1185	1281
2018	63	(prov.)	2023-24	96	103	81	115	92	94	80	94	86	86	97	91	100	94	0	1213	1309
2019	58	(prov.)	2024-25	97	91	107	89	124	95	99	83	96	89	88	101	90	98	0	1250	1347
2020	56	(est.)	2025-26	97	91	94	117	95	127	100	102	85	100	91	91	100	89	0	1282	1379
2021	57	(est.)	2026-27	98	93	94	102	126	97	134	103	103	88	103	94	90	98	0	1325	1423
2022	57	(est.)	2027-28	98	92	96	103	109	129	103	139	104	107	90	106	93	88	0	1359	1457
2023	58	(est.)	2028-29	99	94	95	105	110	111	136	107	143	108	110	93	105	91	0	1408	1507
2024	57	(est.)	2029-30	99	93	97	104	113	113	117	141	110	149	110	114	92	103	0	1456	1555
2025	57	(est.)	2030-31	100	92	96	106	111	116	119	121	145	114	154	114	113	90	0	1491	1591

Note: Ungraded students (UNGR) often are high school students whose anticipated years of graduation are unknown, or students with special needs - UNGR not included in Grade Combinations for 7-12, 9-12, etc.

Based on an estimate of births

Based on children already born

Based on students already enrolled

Projected Enrollment in Grade Combinations*								
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	9-12
2020-21	561	466	557	736	350	270	179	631
2021-22	601	506	588	766	341	260	178	605
2022-23	625	529	613	792	354	263	179	572
2023-24	661	565	659	831	346	266	172	554
2024-25	702	605	688	873	367	268	185	562
2025-26	721	624	726	911	387	287	185	556
2026-27	744	646	749	940	428	294	191	576
2027-28	730	632	771	982	453	350	211	588
2028-29	750	651	758	1009	494	358	251	650
2029-30	736	637	778	1037	517	400	259	678
2030-31	740	640	761	1020	499	380	259	730

Projected Percentage Changes			
Year	K-12	Diff.	%
2020-21	1188	0	0.0%
2021-22	1193	5	0.4%
2022-23	1185	-8	-0.7%
2023-24	1213	28	2.4%
2024-25	1250	37	3.1%
2025-26	1282	32	2.6%
2026-27	1325	43	3.4%
2027-28	1359	34	2.6%
2028-29	1408	49	3.6%
2029-30	1456	48	3.4%
2030-31	1491	35	2.4%
Change	303		25.5%

*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

Grade Configuration

Current Grade Configuration & Enrollment

SCHOOL	GRADES	CAPACITY		ENROLLMENT		
		100%	85%	2021	MAX	YEAR
Center School	PK & BOE 128	120	102	87*	100	2030-31
Mile Creek	K thru 5 th Grade					
Lyme Consolidated	K thru 5 th Grade					
Total Grades K thru 5 th	K thru 5 th Grade	575	489	492*	651	2028-29
LOL Middle School	6 th thru 8 th Grade	462	393	272*	400	2029-30

Enrollment statistics for 2021 is not finalized

Maximum enrollment data is from prior enrollment projections which are being updated

Center School – Existing Conditions



Center School

- **Mechanical Systems:**

- - Replace rooftop equipment and hot water heaters
- - Convert system to include central air conditioning
- - Upgrade System Controls

- **Site Features & Grounds:**

- - Modify Lyme St. Entrance drive
- - Add parking in rear
- - Accessibility and other minor repairs

- **Building Features:**

- - Replace finishes and millwork
- - Replace or renovate rear portable spaces
- - Accessibility, code and other minor repairs
- - Renovate rooms for appropriate uses
- - Add toilet rooms per program needs
- - Security Updates



Lyme Consolidated School – Existing Conditions



Lyme Consolidates School

- **Mechanical Systems:**
 - - Replace rooftop units, exhaust fans, and hot water heaters
 - - Replace boilers, heating system and eliminate unit ventilators
 - - Convert system to include central air conditioning
 - - Upgrade System Controls
 - - Install complete fire suppression system
- **Site Features & Grounds:**
 - - Add parking and reconfigure drives if possible (limited area on site)
 - - Accessibility and other minor repairs
- **Building Features:**
 - - Repair or replace aging exterior components
 - - Replace finishes and millwork
 - - Accessibility, code, security, and other minor repairs
 - - Upgrade technology
 - - Security Updates



Mile Creek Elementary School – Existing Conditions



Mile Creek School

- **Mechanical Systems:**
 - - Replace central air and ventilation equipment, eliminate unit ventilators
 - - Replace boilers, hot water heaters, and rooftop equipment
 - - Install a complete fire suppression system
 - - Upgrade fluorescent lighting to LED
 - - Upgrade PA system
- **Site Features & Grounds:**
 - - Accessibility and other minor repairs
- **Building Features:**
 - - Repair or replace aging exterior components
 - - Replace finishes and millwork
 - - Accessibility, code and other minor repairs
 - - Upgrade technology
 - - Security Updates



Lyme/Old Lyme Middle School – Existing Conditions



Lyme – Old Lyme Middle School

- **Mechanical Systems:**

- - Replace rooftop equipment and hot water heaters
- - Convert system to include central air conditioning
- - Replace boilers and pumps
- - Upgrade System Controls

- **Site Features & Grounds:**

- - Modify Lyme St. Entrance drive
- - Replace pavement and markings
- - Accessibility and other minor repairs

- **Building Features:**

- - Replace finishes and millwork
- - Accessibility, code, security, and other minor repairs
- - Renovate rooms for appropriate uses
- - Security Updates



21st Century Swing Spaces Promote Choice



21st Century Learning Happens in Creative Spaces



21st Century Learning Requires Making



21st Century Schools Embed Project-Based Learning



21st Century Learning Extends to the Corridor



21st Century Libraries Are Learning Commons



21st Century Classrooms Promote Flexible Learning



Common Themes from LOL Educators

- **Flexibility for Different Kinds of Learning**
- **Collaborative Spaces - Student and Adult**
- **Security**
- **Site Flow & Traffic**
- **Acoustics**
- **Learning Commons & Makerspace**
- **Storage**
- **STEAM and Project-based Learning**
- **Outdoor Learning & Play**
- **Accessibility**
- **Natural Light**
- **Classroom furniture and design that supports best practices**
- **Technology**
- **Infrastructure Upgrades to Electrical, Plumbing, HVAC**
- **Future Ready**



Focus Group Activity

1. What is important to you about the Region 18 Schools?
2. What should the elementary schools look and feel like?
3. What should LOL Middle School look and feel like?
4. How can the schools support and promote community use?



Options to be Evaluated

1. Maintain / Update Existing Facility - Limited State Reimbursement

- Update the building to meet all Codes including Health, Life Safety, Building, Fire and ADA deficiencies
- HAZMAT Remediation
- Evaluate and Update the building MEP & FP Systems and Infrastructure
- Analyze energy utilization and improve efficiency
- Address School Safety & Security
- Address Title IX deficiencies
- Minimize disruption to education during construction
- Maximize State Reimbursement
- Provide a 21st Century Learning Environment

2. Renovations & Alterations (As New) – Reimbursement 36.43% of Eligible Cost *

- Renovate the existing building to an “As New” condition as defined by the State Office of School Construction Grants & Review
- Address all criteria identified in Option One
- High Performance Building

* “As New” Status Requires approval from OSCGR

NEXT STEPS

Draft Report on Existing Conditions

Discussion of Space Standards & Space Utilization with BOE

Review of Educational Specifications with the Board of Education

Concepts Designs Based on Ed Specs & Survey of Conditions

Community Tours and Review of Concept Designs

Meeting with Department of Administrative Services – OSCG&R

Expected Decision by BOE on Proceeding to Final Designs

Possible State Grant Application based on Final Designs & Estimates

No later than June 30, 2022

DISCUSSION



