

Central Elementary School

Summary of Sunapee Education Specifications Summary with Design Option Comparison

November 20, 2019

Draft

	Existing Area*	Total	Added Area to Building	Added Area %
New Building Ed Spec - dated 8/2/19. Square Footage	39,300	45,871	16,761	43%
One Story Elementary School Addition to the Middle High School – dated 11/20/19. Square Footage	39,300	51,020	21,910	56%

* Existing Area includes modular (2,200 sf) and Sherburne building Physical Education (PE) and Music use (7,990 sf). These spaces add 10,190 sf to the main building gross area of 29,110 sf.

Key Amenities of 8/2/19 Ed Spec

- Additional Preschool Classroom
- General classroom class sizes consistent with need
- Replace modular with new classrooms
- Student boots and backpacks out of the halls
- “Bubble Grade” enlarged classrooms in 5th grade
- Computer lab instruction separate from library
- All classes in one building (PE, Music, Preschool & Art)
- STEM maker space right sized
- Emotional Disability services back in district
- Resizing and reconfiguring special services classroom to fit services demand and equipment
- Remove storage from corridors and instruction space
- Multipurpose room for community use
- Full ADA compliance
- Add staff support space (conference and work rooms)
- Additional bathrooms for students and staff
- Improved main entrance (secure entry/cameras/buzzers)

Additional Key Amenities of 11/20/19 Options

- Connection to Middle High School with one centralized campus
- Enlarged Music room plus added music practice and office space to support both schools.
- Added Music Instruction Room
- Auditorium and support spaces on two story option
- Consolidated Elementary and Middle High School Educational support spaces in new addition (i.e. OT/PT, Speech, Nurse)

How the Specification are Organized

The educational specifications are organized in two ways. First is by the general type of space (which you can see in color on the specifications), as follows:

- General Classrooms
- Specialized Classrooms
- Special Services Classrooms
- Core Area
- Educational Support
- Facilities Support

The other way the specifications are organized is by columns to reflect so-called “needs and wants,” so people can see what is absolutely essential to the program versus what may be desired to enhance the program but is not essential to it. The columns include the following categories:

- **Existing Area:** The existing square footage of each school room is listed in this column.
- **Needs: This is a sum of the “Existing Needs” and “New Needs”. They include:**
 - **Existing Needs:** This column lists the programmatic space needs for existing functions which currently have existing space or are segregated from spaces presently shared with other existing programs and personnel. Size adjustments are sometimes made to accommodate proper educational services or to reflect the NHDOE minimum standard space for each type of room (see more on the minimum standards below).
 - **New Needs:** This column lists new spaces that are needed as identified by our educators, administration, and/or the architect to meet current and anticipated basic program needs. Spaces are either not presently provided.
- **Recommendations:** This column lists spaces strongly recommended by educators, administration and/or the architect to serve the program.
- **Wants:** The final category lists spaces which our educators and administration recommend to better serve the program but which are not absolutely essential.
- **Comments:** The comments briefly explain the rationale for each space and/or existing conditions

NAME	# PUPILS	STATE STANDARD	# OF STUDENTS/ ALLOWED PER PROGRAMED SPACE	# OF STUDENTS/ ALLOWED PER EXIST. SPACE	EXISTING ROOM #	SAU EXISTING ROOM #	EXIST. AREA	EXIST LEVEL	EXIST NEEDS	NEW NEEDS	RECOMME NDATIONS	WANTS	PROPOSED PLAN: ES ADDITION	COMMENTS
General Classrooms		900 sf min, 36 sf / pupil, Typical unless noted												
PRE-SCHOOL	14		18	25	810	1402.0	1,250	MODULAR	900				915	2 sessions of 13 students per day. Combined 26 students in Unified Arts (music and art) only at transition period in these rooms. Not in pre-school room(s). Existing converted from music & conference room 9/19.
PRE-SCHOOL	12		16	0						800			809	
PRESCHOOL- STORAGE					?		23	MODULAR	180				200	
PRESCHOOL- TOILET					NO #	NO #	45	MODULAR	70			70	70	Existing serves Art as well. For second preschool. Two toilets
PRESCHOOL- TOILET					NO #	NO #	45	MODULAR	70				70	two toilets
KINDERGARTEN		1,000 sf min (CR only) 50 sf / pupil	18	18	200	1204.0	885	FIRST	900				906	NHDOE variance required
KINDERGARTEN		"	18	18	207	1205.0	905	FIRST	900				908	NHDOE variance required
KINDERGARTEN- TOILET					203		20	FIRST	65				70	
KINDERGARTEN- TOILET					206		20	FIRST	65				71	
FIRST GRADE			22	19	217	1203.0	675	FIRST	800				804	NHDOE variance required
FIRST GRADE			22	19	209	1206.0	700	FIRST	800				805	NHDOE variance required
SECOND GRADE			22	23	127	1100.0	815	BASEMENT	800				805	NHDOE variance required
SECOND GRADE			22	23	123	1101.0	815	BASEMENT	800				803	NHDOE variance required
THIRD GRADE			22	18	311	1302.0	655	SECOND	800				801	NHDOE variance required
THIRD GRADE			22	18	308	1305.0	665	SECOND	800				805	NHDOE variance required
FOURTH GRADE			22	19	313	1300.0	680	SECOND	800				805	NHDOE variance required
FOURTH GRADE			22	21	314	1306.0	755	SECOND	800				805	NHDOE variance required
FIFTH GRADE			25	30	301	1303.0	1,085	SECOND	900				904	Sized for "Bubble" grade classes. Locate on 1st floor so it can be used by first grade
FIFTH GRADE			25	23	306	1304.0	810	SECOND	900				903	Sized for "Bubble" grade classes. Locate on 1st floor so it can be used by first grade
STORAGE- CLASSROOM 1303					302		60	SECOND					0	storage included in new classrooms
STORAGE- CLASSROOM 1305					309		85	SECOND					0	storage included in new classrooms
General Classrooms Subtotal							10,993		11,350	800	0	70	12,259	
Specialized Classroom														
ART		900 sf min (CR only) 36 sf / pupil	25	23		1402.0	810	MODULAR	900				901	size to accommodate 20 preschool students (50 sf / student) during transition. no existing art room sink
ART-KILN										35			41	existing kiln is inside the art room
ART STORAGE					NO #	NO #	23	MODULAR	120				122	
COMPUTER LAB			21		224	1209.0	430	FIRST	750				772	Existing inside a portion of the existing library- need 25 computers for class plus students from other classes
COMPUTER TECH										120			116	10 x 12- computer storage. Off computer lab

NAME	# PUPILS	STATE STANDARD	# OF STUDENTS/ ALLOWED PER PROGRAMED SPACE	# OF STUDENTS/ ALLOWED PER EXIST. SPACE	EXISTING ROOM #	SAU EXISTING ROOM #	EXIST. AREA	EXIST LEVEL	EXIST NEEDS	NEW NEEDS	RECOMME NDATIONS	WANTS	PROPOSED PLAN: ES ADDITION	COMMENTS
MAKER SPACE with STEAM	18		25		232	1201.1	240	FIRST	900				908	Existing instruction takes place on the (non-ADA) stage in the Library. Sometimes whole classes currently. Overseen by the librarians currently. Drop in use as well. Includes circuits and putting things together. No stem now.
MUSIC CLASSROOM	30						410	SHERBURNE	1,600				1,606	Sized for Elementary and Middle High School Classes. Going down to Sherburne gym (see gym program). Risers are furniture/ movable
MUSIC INSTRUMENTAL INSTRUCTION	15									700			718	
MUSIC OFFICE										120			125	Dual use for ES and MHS classes
MUSIC PRACTICE										135			114	Dual use for ES and MHS classes
MUSIC PRACTICE										100			132	Dual use for ES and MHS classes
MUSIC STORAGE										200			202	Dual use for ES and MHS classes
MUSIC PRACTICE										0			0	New room not needed. Two sufficient
MUSIC PRACTICE										0			0	New room not needed. Two sufficient
Specialized Classroom Subtotal							1,913		4,270	1,410	0	0	5,757	
Special Services Classroom														
ALTERNATIVE RESOURCE CENTER					107	1103.0	920	BASEMENT	600				602	Autistic: life skills occur in that room- preschool to 5th grade. Not self contained. Needs to be near OT/PT for life skills. Three teacher cabinets of lockable storage: Needs ADA toilet adjacent. Some of existing room is being used for storage.
EMOTIONAL DISABILITIES RESOURCE ROOM												600	607	anticipated need to mitigate out of district tuition costs and service in district
OCCUPATIONAL THERAPY & PHYSICAL THERAPY					104	1104.0	510	BASEMENT	800				829	Shall be adjacent to Autistic and include a kitchenette for life skills. Divide space equally for Sensory stations and separate " vision club" (visual motor skills) balance equipment and swing needed.
OT/PT STORAGE									80				81	8 x 10. currently in existing OT/PT instructional room
OT/PT OFFICE									180				183	Shared office for 2. Existing desks are in OT/ PT instructional room
MATH INTERVENTION			10		120	1102.0	645	BASEMENT	120				121	Math Specialist
READING INTERVENTION									120				118	Existing located in room 1102. Reading and writing specialist
RESOURCE ROOM					226	1210.0	75	FIRST	120				121	Existing room includes small group instruction for math intervention and ESOL plus SPED storage
RESOURCE ROOM					312	1301.0	215	SECOND	120				120	Small group instruction. Includes math intervention and ESOL
RESOURCE INSTRUCTION									240				235	12 x20. Para educator support and small SPED storage. Adjacent to SPED with communicating doors but access from corridor. Simultaneous use as Resource rooms. Existing is in the SPED room

NAME	# PUPILS	STATE STANDARD	# OF STUDENTS/ ALLOWED PER PROGRAMED SPACE	# OF STUDENTS/ ALLOWED PER EXIST. SPACE	EXISTING ROOM #	SAU EXISTING ROOM #	EXIST. AREA	EXIST LEVEL	EXIST NEEDS	NEW NEEDS	RECOMME NDATIONS	WANTS	PROPOSED PLAN: ES ADDITION	COMMENTS
SPEECH & LANGUAGE PATHOLOGIST					104A	none	135	BASEMENT	200				203	5 students kidney table + desk and storage. existing inside OT/PT suite
TESTING					126	NONE	140	BASEMENT	90				95	Quit room for second grade classrooms currently. Small group instruction space. Needed for "individual learning area.
Special Services Classroom Subtotal							2,640		2,670	0	0	600	3,315	
Core														
AFTER SCHOOL PROGRAM STORAGE									110				111	New room in MHS adjacent to caf: 189 SF. Existing shares with small lunch room 106
CAFETERIA		15 SF/ PERSON	80	58	103	1105.0	875	BASEMENT	1,200				0	Use existing Middle High School Existing. Four Lunches
CAFETERIA- SMALL GROUP			8	7	106		105	BASEMENT	120				0	renovated space in existing Middle High School Existing
KITCHEN					102	1106.0	355	BASEMENT	400				0	New SF incl storage. Need walk in cooler / refrigerator but not full service kitchen. Need double door delivery entrance. Additional needs info required
KITCHEN STORAGE					101	1106.1	90	BASEMENT	90				0	
LIBRARY		1,800 sf min or 40 sf/ pupil for 10% of design capacity	25		225	1209.0	1,500	FIRST	1,800				1,801	Existing is 1,930 SF minus computer lab instruction space = 1500 sf existing. DOE standard allows for 1,500 sf library to service 376 student core with waiver for <1800sf
LIBRARY STORAGE- A/V					231		60		100				101	Adjacent to library
LIBRARY WORK ROOM									100				102	Existing in the library
LIBRARY- LITERACY LAB									120				121	Grade level book storage/ library. in Library suite. Existing in Reading/ Title 1 room
MULTI-PURPOSE PLATFORM								FIRST			400	550	970	240 sf Existing stage platform is not ADA accessible and used for maker space.
MULTI-PURPOSE ROOM		7,000 sf (110 sf/ pupil min)									5,000		5,144	Existing gym is in detached Sherburne. Full size gym not needed. Size minimum for Volley Ball. Adjacent platform for performances need
MULTI-PURPOSE STORAGE												400	390	Chairs and performance storage shared
GYM		7,000 sf (110 sf/ pupil min)				G20	7,580	SHERBURNE					0	Use Multipurpose room. Attached MHS GYM for special use
PE STORAGE & OFFICE- INTERIOR											300		282	For multi-purpose room
AUDITORIUM					not exist.							6,000	0	
AUDITORIUM- GREEN ROOM					not exist.							300	0	
AUDITORIUM- SET CONST.					not exist.							240	0	
AUDITORIUM- CONTROLS/ PROJ					not exist.							200	0	
AUDITORIUM- COSTUME/PROP STORAGE					not exist.							500	0	
Core Subtotal							10,565		4,040	0	5,700	8,190	9,022	

NAME	# PUPILS	STATE STANDARD	# OF STUDENTS/ ALLOWED PER PROGRAMED SPACE	# OF STUDENTS/ ALLOWED PER EXIST. SPACE	EXISTING ROOM #	SAU EXISTING ROOM #	EXIST. AREA	EXIST LEVEL	EXIST NEEDS	NEW NEEDS	RECOMME NDATIONS	WANTS	PROPOSED PLAN: ES ADDITION	COMMENTS
Educational Support														
ADMIN- CONF RM	6				220	1202.0	270	FIRST	150				154	
ADMIN- CONFERENCE ROOM	12									300			299	Near admin.
ADMIN- PRINCIPAL OFFICE						1201.0	150	FIRST	180				181	Moved from MHS. Conference table for 4 needed
ADMIN- ASSISTANT PRINCIPAL OFFICE										150			149	ES only Assistant Principal
ADMIN- PRINT/ COPY										225			242	Serves ES and MHS.
ADMIN- RECEPTION	1				223	1200.0	190	FIRST	250				336	Serves ES and MHS.
ADMIN- SCHOOL ADJUSTMENT COUNSELOR PSYCHOLOGIST / FLOATING OFFICE										120			128	
ADMIN- STORAGE					224		55	FIRST	55				75	
ADMIN- STUDENT WORK SPACE										80			96	For in-school suspension and outside consultants. Provide vision into toom from admin area.
GUIDANCE	1				221	1214.0	155		155				154	
NURSE- OFFICE										120			121	Serves ES and MHS
NURSE- STORAGE					205	NONE	15	FIRST		55			57	Serves ES and MHS. In nurse waiting area
NURSE- TOILET					202	NONE	30	FIRST	80				84	Serves ES and MHS. Existing not ADA. Needs a shower
NURSE- WAITING/ COTS					204	NONE	215	FIRST	380				390	Serves ES and MHS. Includes exam area, waiting and storage
NURSE- ISOLATION COTS	2									120			122	Serves ES and MHS.
STUDENT SUPPORT CENTER	4				212	1207.0	130	FIRST	200				203	Sensory (support services)
TEACHER- WORK RM					228	1208.0	330	FIRST	450				451	43 staff. Include counter, sink and refrigerator plus 8 lockers for paraprofessionals/ substitutes
ADMIN- FINANCES										145			156	Relocated from MHS and serving both schools
Educational Support Subtotal							1,540		1,900	1,315	0	0	3,398	
PROGRAM NET SIZE														
									24,230	3,525	5,700	8,860	33,751	Excluding Facility Support and Sheds
Facilities Support														
CUSTODIAL AND SCHOOL STORAGE					113		130	BASEMENT					0	See custodial and bulk storage for new
CUSTODIAL STORAGE					116		80	BASEMENT	400				400	Existing is also shares room 113 with school storage
CUSTODIAN CLOSET					111		30	BASEMENT	65				0	Third closet not needed in new building
CUSTODIAN CLOSET					201		20	FIRST	65				66	
CUSTODIAN CLOSET					NO #		20	SECOND	65				67	
ELECTRICAL CLOSET													73	existing panels are spread out through other spaces
ELECTRICAL CLOSET													70	existing panels are spread out through other spaces

NAME	# PUPILS	STATE STANDARD	# OF STUDENTS/ ALLOWED PER PROGRAMED SPACE	# OF STUDENTS/ ALLOWED PER EXIST. SPACE	EXISTING ROOM #	SAU EXISTING ROOM #	EXIST. AREA	EXIST LEVEL	EXIST NEEDS	NEW NEEDS	RECOMME NDATIONS	WANTS	PROPOSED PLAN: ES ADDITION	COMMENTS
ELEVATOR MACHINE ROOM					115		35	BASEMENT	60				0	No elevator in new plan
IT- SERVER					219		15	FIRST	70				78	
IT- SERVER					233		80	FIRST	70				66	
IT- SERVER										70			0	Third room not needed in one story building
MECHANICAL					117		485	BASEMENT					0	see mechanical- electric room
MECHANICAL					121		10	BASEMENT	10				0	see mechanical- electric room
CONDENSER PUMP														
MECHANICAL					128		18	BASEMENT	18				0	Existing under stair
CONDENSER PUMP														
MECHANICAL- ELECTRIC					112		145	BASEMENT	145				646	Incorporates multiple rooms into one
MECHANICAL- SPRINKLER					315		50	SECOND	50				0	see mechanical- electric room
MECHANICAL- WATER/ SPRINKLER					122		20	BASEMENT	20				0	see mechanical- electric room
STORAGE					105	NONE	35	BASEMENT					0	Existing inside OT/PT suite 104
STORAGE- BULK								BASEMENT	300				301	Existing is also shares room 113 with custodial storage. paper and office/ school supplies
STORAGE- EDUCATIONAL					118		110	BASEMENT	200				200	Specific to grades and near classes served. Spread out among floors
STORAGE- EDUCATIONAL					303		145	SECOND	200				201	Specific to grades and near classes served. Spread out among floors
STORAGE- EDUCATIONAL										200			207	Specific to grades and near classes served. Spread out among floors
STORAGE- FURNITURE								BASEMENT	150				157	Existing is shared with custodial storage room 116
TOILET- BOYS					110		205	BASEMENT					161	
TOILET- BOYS					305		140	SECOND					163	
TOILET- CLASSROOM 123					124		25	BASEMENT					0	toilets consolidated in proposed plan
TOILET- CLASSROOM 127					125		25	BASEMENT					0	toilets consolidated in proposed plan
TOILET- CLASSROOM 209					210		30	FIRST					0	toilets consolidated in proposed plan
TOILET- CLASSROOM 217					218		25	FIRST					0	toilets consolidated in proposed plan
TOILET- GIRLS					108		150	BASEMENT					161	
TOILET- GIRLS					304		130	SECOND					165	
TOILET- STAFF										55			63	need one on each floor
TOILET- STAFF- MEN					227		30	FIRST	55				0	see staff toilet
TOILET													64	Unisex near main entrance with changing table
TOILET													0	
TOILET- STAFF OFF					307		60	SECOND					0	
STORAGE 303														
TOILET- STUDENT SUPPORT 212					211		25	FIRST	75				73	include shower and changing table locate near Alternative Resource
Facilities Support Subtotal							2,273		2,018	325	0	0	3,382	Does not include toilets and mechanical items. Code analysis for toilets and building configuration impact for mechanical is required

NAME	# PUPILS	STATE STANDARD	# OF STUDENTS/ ALLOWED PER PROGRAMED SPACE	# OF STUDENTS/ ALLOWED PER EXIST. SPACE	EXISTING ROOM #	SAU EXISTING ROOM #	EXIST. AREA	EXIST LEVEL	EXIST NEEDS	NEW NEEDS	RECOMME NDATIONS	WANTS	PROPOSED PLAN: ES ADDITION	COMMENTS
PE STORAGE SHED- EXTERIOR										120				
GARDEN SHED									60					
MAINTENANCE SHED									120					

