

**Middle High School**  
**Summary of Sunapee Education Specifications Summary with Design Option Comparison**  
**November 20, 2019**  
**Draft**

	Existing Area*	Total**	Added Area to Building	Added Area %
Renovation/ Addition - dated 8/2/19. Square Footage	80,707	94,134	13,429	17%
Renovation - dated 11/20/19. Square Footage	80,707	81,332	625	1%

\* Existing Area excludes Sherburne building.

\*\* Gross Square footage of 10/11/19 are from plan layout

**Key Amenities of 8/2/19 Ed Spec**

- Resizing and reconfiguring High School science rooms
- Assisted Study room (currently on a cart)
- OT/PT room in Elementary addition to allow for equipment (currently on a cart)
- High School Life Skills room
- Emotional Disability services back in district
- Administrative Conference Room
- Para-educator locker area within teacher work room
- Performance Auditorium and Support Spaces (want)

**Additional Key Amenities of 11/20/19 Options**

- Connection to Middle High School with one centralized campus
- Enlarged Nurse suite (in elementary school)

## 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	SCHOOL /GRADE	STATE STANDARD	EXISTING ROOM #	EXIST. AREA	EXIST NEEDS	NEW NEEDS	RECOMMENDATIONS	WANTS	PROPOSED SIZE WITH ES ADDITION	PROPOSED ROOM # WITH ES ADDITION	COMMENTS
General Classrooms		See Comments									900 SF & 36 sf/ pupil for MS. 800 SF min. & 32 sf/ pupil for HS unless noted
CLASSROOM	HS		H1	850	850				833	M1	Pre-Algebra, Algebra, pre-calc,calc
CLASSROOM	HS		H2	850	850				836	M2	Geometry, Algebra, Stats, Advanced Math
CLASSROOM	HS		H3	854	854				849	M3	Foreign Language
CLASSROOM	HS		H4	854	854				849	M4	Foreign Language
CLASSROOM	HS		H5	856	856				849	M5	U.S. History, Global Studies, 1 Elective
CLASSROOM	HS		H6	834	834				872	M7	Grade 8 History, Economics
CLASSROOM	HS		H7	843	843				851	M8	Sections of High School English
CLASSROOM	MS		M3	849	849				854	H3	Grade 6 Science, Grade 6 Math, Grade 8 Math
CLASSROOM	MS		M4	849	849				854	H4	Grade 6 s.studies, grade 7 s. studies, elective
CLASSROOM	MS		M5	849	849				856	H5	Grade 7 math, m.s. math support, yearbook
CLASSROOM	MS		M7	872	872				834	H6	grade 8 English, M.S. Health, AP U.S. History
CLASSROOM	MS		M8	851	851				843	H7	Grade 6, 8 and 9 English
CLASSROOM	MS/HS		H8	854	854			M6	1,170	M6	MS and H.S. English
General Classroom Subtotal				11,065	11,065	0	0	0	11,350		
Specialized Classroom											
ART CLASSROOM	MS/HS	1200sf & 60 sf/pupil	C11	1,081	1,081				1,081	C11	M.S & H.S. Art
ART- KILN ROOM	MS/HS		C12.1	56	56				56	C12.1	
ART STORAGE	MS/HS		C11.1	140	140				140	C11.1	
ENGINEERING CLASSROOM	MS/HS	1200sf & 60 sf/pupil	C5	647	647				647	C5	Instruction
HOME EC (FACS)	MS/HS	1200sf & 60 sf/pupil	C10	1,392	1,392				1,392	C10	Con. Science and H.S. Health
HOME EC (FACS) STORAGE	MS/HS		C10.1	55	55				55	C10.1	Electrical Marking- CONFIRM WASHER/ DRYER LOCATION
MUSIC GENERAL CLASSROOM	MS/HS	1200sf & 60 sf/pupil	C9	1,555	1,555				0	ES Addition	Locate in ES addition: band/chorus & electives + lessons
MUSIC OFFICE	MS/HS		C9.5	110	110				0	ES Addition	Locate in ES addition
MUSIC PRACT RM	MS/HS		C9.1	134	134				0	ES Addition	Locate in ES addition
MUSIC PRACT RM	MS/HS		C9.2	77	77				0	ES Addition	Locate in ES addition
MUSIC PRACT RM	MS/HS		C9.3	77	77				0	ES Addition	Locate in ES addition
MUSIC PRACT RM	MS/HS		C9.4	156	156				0	ES Addition	Locate in ES addition
SCIENCE CLASSROOM	HS	1200sf & 60 sf/pupil	C6	1,023	1,200				1,490	C6	20 students. Biology, Anatomy, Environmental, Marine
SCIENCE CLASSROOM	HS	1200sf & 60 sf/pupil	C7	1,810	1,200				1,265	C7	20 students. Physical, chemistry, physics
SCIENCE CLASSROOM	MS	1200sf & 60 sf/pupil	M6	1,170	1,170				1,113	H2	Expanded existing HS room. Grade 7 & 8 Science
SCIENCE PREP ROOM	HS		C7.1	165	165				209	C7.1	Shared w/ C6
TECH ED CLASSROOM	MS/HS	1200sf & 60 sf/pupil	C8	917	917				917	C8	Design Lab
TECH ED LAB (SHOP)	MS/HS		C12	3,482	3,482				3,482	C12	
VIRTUAL LEARNING	MS/HS		C1	593	593				593	C1	Virtual learning-
Specialized Classrooms Subtotal				14,640	14,207	0	0	0	12,440		

NAME	SCHOOL /GRADE	STATE STANDARD	EXISTING ROOM #	EXIST. AREA	EXIST NEEDS	NEW NEEDS	RECOMMENDATIONS	WANTS	PROPOSED SIZE WITH ES ADDITION	PROPOSED ROOM # WITH ES ADDITION	COMMENTS
<b>Specialized Instruction</b>											
ASSIST STUDY	MS/HS				200				207	renovated room	5 to 1 ratio. services currently floating (on cart) in C3 and other classrooms.
BEHAVIOR CASE MANAGER	MS/HS		C3.1	222	222				222	C3.1	
COUNSELING	MS/HS		not exist.	0				120	100	renovated room	Presently out of district. 3 to 1 ratio. Outside counselor and social worker. Part time
EMOTIONAL DISABILITIES	MS/HS		not exist.	0				900	838	renovated room	Presently out of district. Adjacent to OT/PT
EMOTIONAL DISABILITIES OFFICE			not exist.	0				120	163	renovated room	Presently out of district. Counseling or small group work
LIFE SKILLS	HS		not exist.	0		300			277	renovated room	Alternative room center: adjacency to the MS life skills room allows for smaller space. 3 students, 5 x per day with kitchen
LIFE SKILLS	MS		M1	833	833				917	renovated room	Existing serves 7 grades. State requires one space can only be used for 4 consecutive grades span.
LIFE SKILLS WASHER/DRYER								25	0		located in Home Existing Home Ec
TOILET	HS/MS		not exist.	0				80	95		Adjacent to Life skills
OT/PT- SPEECH	MS/HS		A15	60	850				0	ES Addition	Locate in ES addition. Balancing equipment, swing and mindfulness class (4 to 1 ratio). Currently on cart
READING SPECIALIST	MS		M2	836	836				854	H8	6 Periods of Instruction
RESOURCE- OFFICE	MS/HS		C3.2	78	78				78	C3.2	
RESOURCE- OFFICE	MS/HS		C3.3	62	62				62	C3.3	
RESOURCE ROOM	MS/HS		C3	730	730				730	C3	Support Provided 7 Periods Per Day
SPEECH PATHOLOGIST	MS/HS								0	ES Addition	Locate in ES addition. Currently floating- on cart-
Specialized Instruction Subtotal				2,821	3,811	300	0	1,245	4,543	0	
<b>Core Area</b>											
AUDITORIUM	MS/HS		not exist.	0				6,000	0	ES Addition	Locate in ES addition. Audience capacity of 400
AUDITORIUM- GREEN ROOM	MS/HS		not exist.	0				300	0	ES Addition	Locate in ES addition. 2-4 dressing areas, sinks and toilets for actors to get ready and change before a production
AUDITORIUM- SET CONST.	MS/HS		not exist.	0				240	0	ES Addition	Locate in ES addition. 2-4 dressing areas, sinks and toilets for actors to get ready and change before a production
AUDITORIUM- CONTROLS/ PROJ	MS/HS		not exist.	0				200	0	ES Addition	Locate in ES addition. Sound, lighting & large format projector
AUDITORIUM- COSTUME/PROP STORAGE	MS/HS		not exist.	0				500	0	ES Addition	Locate in ES addition
CAFETERIA	MS/HS		CAFETERIA	2,422	2,422				2,422	CAFETERIA	
GYM- LOCKER ROOM- BOYS	MS/HS		BL1	711	711				711	BL1	
GYM- LOCKER ROOM- GIRLS	MS/HS		WL1	749	749				749	WL1	
GYM- PE- STORAGE	HS		S3	96	96				96	S3	Seasonal
GYM- PE/ ATHLETIC DIR.- OFFICE	HS/MS		B3	102	102				102	B3	Has shower and toilet
GYM- PE/ HEALTH- OFFICE	HS/MS		B4	110	110				110	B4	Has shower and toilet

NAME	SCHOOL /GRADE	STATE STANDARD	EXISTING ROOM #	EXIST. AREA	EXIST NEEDS	NEW NEEDS	RECOMMENDATIONS	WANTS	PROPOSED SIZE WITH ES ADDITION	PROPOSED ROOM # WITH ES ADDITION	COMMENTS
GYM- STORAGE	MS/HS		G1.1	78	78				78	G1.1	
GYM- STORAGE	MS/HS		G1.2	82	82				82	G1.2	
GYM- WEIGHT ROOM	MS/HS		W1	700	700				700	W1	Needs expansion if possible
GYMNASIUM	MS/HS		G1	8,194	8,194				8,194	G1	
KITCHEN	MS/HS		K1	973	973				1,100	1,100	4 lunches
KITCHEN- COLD STOR	MS/HS		K1.2	75	75				120	120	Walk ins
KITCHEN- COLD STOR	MS/HS		K1.3	75	75				120	120	Walk ins
KITCHEN- COLD STOR	MS/HS		K1.5	140	140				0	0	Walk ins
KITCHEN- DISHWASH	MS/HS		K1.1	99	99				250	250	
KITCHEN- MGR OFFICE	MS/HS		K1.7	50	50				70	70	
KITCHEN- STORAGE	MS/HS		K1.4	60	60				50	50	
KITCHEN- TOILET	MS/HS		K1.9	16	16				50	50	
KITCHEN-CHANGING ROOM	MS/HS		K1.8	38	38				50	50	
KITCHEN-STORAGE	MS/HS		K1.6	377	377				400	400	
LEARNING COMMONS	MS/HS	1800sf & 4sf/ pupil	C4	1,780	1,780				1,780	C4	50 to 60 students simultaneous use
LEARNING COMMONS WORK RM	MS/HS		C4.1	152	152				152	C4.1	
LEARNING COMMONS AUDIO/ VISUAL RECORDING	MS/HS		C2	980	980				980	C2	Mixed Use VLACS/Supported S.H.
LEARNING COMMONS NOOK	MS/HS		C4.2	183	183				183	C4.2	Open to library
LEARNING COMMONS STORAGE	MS/HS		C4.3	152	152				152	C4.3	
Core Area Subtotal				18,394	18,394	0	0	7,240	18,701	2,210	
<b>Educational Support</b>											
ADMIN- ASSIST PRINCIPAL	MS/HS		A3	147	110				230	renovated room	
ADMIN- CONF. ROOM	MS/HS		A11	300	300				300	A11	
ADMIN- CONF. ROOM	MS/HS		not exist.	0		200			251	renovated room	Parent, 504, college recruitment and scholarship meetings,
ADMIN- FACILITY MGR OFFICE	MS/HS		A7	100	100				81	A8	Includes mechanical system control station
ADMIN- FACILITY MGR SERVER AND STORAGE	MS/HS		A6	130	130				56	A8.1	
ADMIN- FINANCES	MS/HS		A5	301	301				0	ES Addition	Locate in ES addition: Existing space: 50% too large for use
ADMIN- MAIN OFFICE	MS/HS		A1	427	427				0	ES Addition	
ADMIN- PRINCIPAL OFFICE	MS/HS		A4	150	150				0	ES Addition	
ADMIN- PRINTING/ COPYING	MS/HS		C8.2	221	221				0	ES Addition	Teachers and students whole school
ADMIN- PSYCHOLOGIST	MS/HS		A9	125	125				0	ES Addition	
ADMIN STORAGE	MS/HS		A16	72	72				0	ES Addition	Records Vault
GUIDANCE	HS		A13	211	211				150	A4	
GUIDANCE	MS		A12	185	185				147	A3	
GUIDANCE- SECRETARY	MS/HS		A14	267	267				427	A1	
IT- OFFICE			C1.2	250	250				250	C1.2	Next to virtual learning
NURSE- EXAM	MS/HS		A10.1	60	60				0	ES Addition	Exam, storage

NAME	SCHOOL /GRADE	STATE STANDARD	EXISTING ROOM #	EXIST. AREA	EXIST NEEDS	NEW NEEDS	RECOMMENDATIONS	WANTS	PROPOSED SIZE WITH ES ADDITION	PROPOSED ROOM # WITH ES ADDITION	COMMENTS
NURSE- OFFICE	MS/HS	300sf min:2 cots	A10	239	239				0	ES Addition	Exam, office, storage
NURSE- TOILET	HS/MS		B13	35	35				0	ES Addition	
TEACHER- PARAEDUCATOR LOCKER	MS/HS		not exist.	0				50			Locate in renovated Teacher Work room. 10 lockers in two tier.
TEACHER WORK RM- TOILET	HS/MS		B11	16	16				51	renovated room	New renovated space. Inside teacher work room
TEACHER WORK RM- TOILET	HS/MS		B12	16	16				51	renovated room	New renovated space. Inside teacher work room
TEACHER WORK ROOM	MS/HS		A2	405	405				581	renovated room	New renovated space.
TRANSPORTATION DIRECTOR- OFFICE	MS/HS		A8	91	91				103		
TRANSPORTATION DIRECTOR- STORAGE	MS/HS		A8.1	56					0		
Educational Support Subtotal				3,804	3,711	200	0	50	2,678	0	
Facilities Support											
BOILER ROOM	MS/HS		M2	792	792				792	M2	In Basement
ELEC CLOSET	MS/HS		C8.1	18	18				18	C8.1	
ELEC.	MS		E1	77	77				77	E1	Across MS Toilet Rooms
ELECTRIC. ROOM - ALARM ROOM	MS/HS		U2	272	272				272	U2	Between Gym and Central Hub- contains custodial, electrical and alarm
IT- COMPUTER CLOSET	HS		ATTIC	15	15				15	ATTIC	
IT- SERVER ROOM			C1.1	120	120				120	C1.1	Next to virtual learning
IT- SERVER ROOM			C4.3	152	152				152	C4.3	Hub
JAN	HS		JC1	62	62				62	JC1	
JAN- CUSTODIAL STOR	HS		JC2	55	55				55	JC2	
MECHANICAL	HS		ATTIC	598	598				598	ATTIC	
MECHANICAL	HS		ATTIC	350	350				350	ATTIC	
MECHANICAL	MS		M1	411	411				411	M1	
STORAGE	HS/MS		BASEMENT	1,973	1,973				1,973	BASEMENT	Basement in middle school wing
STORAGE	MS		S5	300	300				300	S5	MS Educ Storage
STORAGE (A/V)	HS/MS		S4	106	106				106	S4	
STORAGE- DRAMA	HS/MS		S2	377	377				377	S2	
STORAGE- RECREATION	HS		S1	300	300				300	S1	HS Storage
TOILET	HS/MS		B10	57	57				57	B10	Across from Admin Suite
TOILET	HS/MS		B15	140	140				140	B15	Near Home Ec
TOILET	HS/MS		B7	57	57				57	B7	Near Library
TOILET	HS/MS		B8	48	48				48	B8	Near Library
TOILET	HS/MS		B9	50	50				50	B9	Across from Admin Suite
TOILET- BOYS	HS		B1	180	180				180	B1	
TOILET- BOYS	HS/MS		B6	165	165				165	B6	Cafeteria
TOILET- BOYS	MS		B17	131	131				131	B17	
TOILET- GIRLS	HS		B2	180	180				180	B2	
TOILET- GIRLS	HS/MS		B5	117	117				117	B5	Cafeteria
TOILET- GIRLS	MS		B16	131	131				131	B16	

NAME	SCHOOL /GRADE	STATE STANDARD	EXISTING ROOM #	EXIST. AREA	EXIST NEEDS	NEW NEEDS	RECOMMENDATIONS	WANTS	PROPOSED SIZE WITH ES ADDITION	PROPOSED ROOM # WITH ES ADDITION	COMMENTS
UTILITIES	MS		U1	77	77				77	U1	
Facilities Support Subtotal-Itemized				7,311	7,311	0	0	0	7,311	0	

PROGRAM NET SIZE : Exist and New Needs only				58,035	58,499						For calculating difference between existing area and new beyond existing building footprint
PROGRAM NET SIZE					464	500	0	8,535			including facility support. Existing needs s.f.= difference between existing building s.f and new s.f. for use
40% NEW BUILDING FACTOR					185.6	200	0	3414			40% multiplier for general Facility Support spaces, circulation, structure and wall voids. Multiplier applied to new space larger to than existing building
EXISTING BUILDING GROSS SIZE					80,707				80,707		
GROSS BUILDING SIZE					81,357	700	0	11,949	81,332		Proposed includes approximately 625 sf addition

