

Elementary School
 Summary of Amherst Education Specifications Summary
 With 2020 Masterplan Comparison
 October 13, 2021
 Draft

| | Existing Area * Gross SF | Program Net SF | Program Gross SF | Plan Option |
|-------------------------------|-----------------------------|-------------------|---------------------|-------------|
| 2020 Masterplan | 73,515 | 113,853 | 162,647 | 166,390 |
| 2021 Program (10/13/21 draft) | 73,515 | 100,264 | 143,234** | TBD |

Reduced 19,413

- * Total of Clark (22,892 SF) & Wilkins (50,623 SF)
- ** Calculated with same (70%) efficiency factor as the 2020 Masterplan

Clark Wilkins School
Pre-k through 5th Grade
Program

Existing Enrollment 2021 = 765 (Pre-K not incl)
Core Design= 1079 (Pre-K not incl)
Design Capacity= 889 Students (Pre-K not incl)

PreK - 5 Program Comparison Based upon Enrollment

Data:

Anticipated Enrollment (core design)



Clark Wilkins School Program Space Count

| Course/ Subject | Enrollment | # of Students | Students / Teaching Space | # of Sections | Utilization (95%) | Required Teaching Space | Adjusted |
|-----------------------------------|------------|---------------|---------------------------|---------------|-------------------|-------------------------|----------|
| Pre- School | | 0 | | | | | 4 |
| Kindergarten | | 142 | 19 | 7.47 | 0.95 | 7.87 | 7 |
| 1st Grade | | 148 | 20 | 7.40 | 0.95 | 7.79 | 7 |
| 2nd Grade | | 152 | 20 | 7.60 | 0.95 | 8.00 | 7 |
| 3rd Grade | | 152 | 22 | 6.91 | 0.95 | 7.27 | 7 |
| 4th Grade | | 155 | 22 | 7.05 | 0.95 | 7.42 | 7 |
| 5th Grade | | 160 | 24 | 6.67 | 0.95 | 7.02 | 7 |
| Project Based Learning Classrooms | | | | | | | 3 |
| Total Number of Classes | | | | | | | 49 |

| New Capacity* |
|---------------|
| 0 |
| 133 |
| 140 |
| 140 |
| 154 |
| 154 |
| 168 |
| 0 |
| 889 |

Periods per Day

Core Program

Periods per Day Square Feet

| | | | | | | |
|--------------------|--|------|--------------------------|--|---|---------|
| Physical Education | | 1079 | | | | 7000 |
| Media Center | | 1079 | Enrollment x .10 x 40 sf | | | 4316 |
| Cafeteria | | 1079 | Enrollment x 4 x 15 sf | | 4 | 4046.25 |
| Cafeteria | | 1023 | Enrollment x 3 x 15 sf | | 3 | 5115 |

Note: the existing multipurpose space is 5,120 sf which will be adequate for 341 students per lunch period at 15 sf/person

Existing general classroom count

DRAFT

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Existing general classroom count

Clark 7(Kindergarten) + 2(preschool)
Wilkins 22

Previous Master plan
program: 162,647 sf
Previous Master plan: 166,390 sf

Noteworthy changes from previous Master plan

| | Master plan | BA program | delta |
|-------------------------|-------------|------------|-------|
| Locker rooms | 1000 | 0 | 1,000 |
| Gym | 16,000 | 7,000 | 9,000 |
| Gym bleachers (add-alt) | 0 | 2,000 | 2,000 |
| Music | 5020 | 2670 | 2350 |
| Stage | 1619 | 900 | 719 |
| Stars program | 3019 | 2024 | 995 |
| Preschool | 2400 | 4800 | 2400 |
| Classrooms | 52200 | 43600 | 8600 |
| Maker Space | 1000 | 0 | 1000 |



| NAME | MAX # PUPILS/ AREA | MIN NSF/ STUDENT | MIN NSF/ AREA | ADJUSTED NSF/ AREA | NUMBER REQUIRED | TOTAL NSF | PREFERRED LEVEL | COMMENTS |
|---|--------------------|---|---------------|--------------------|-----------------|-----------|-----------------|---|
| General Classrooms | | 900 sf min, 36 sf / pupil, Typical unless noted | | | | | | |
| Pre-School | 22 | 50 sf / pupil | 1,100 | 1,200 | 4 | 4,800 | 1 | SF includes student toilets in room |
| Pre-School- Small Group Classroom / Breakout Room | 8 | 36 SF/ pupil | 288 | 300 | 1 | 300 | 1 | RTI, Enrichment, Small Groups, Special Ed Services, Testing, Etc. |
| Pre-School- Storage | | | | 80 | 1 | 80 | 1 | |
| Pre-School- Staff Toilet | | | | 60 | 1 | 60 | 1 | |
| Pre-School- Copy Center/ Work Room | | | | 80 | 1 | 80 | 1 | Can be consolidated with other grades |
| Kindergarten | 17 | 1,000 sf min (CR only) 50 sf / pupil | 850 | 1,200 | 7 | 8,400 | 1 | SF includes student toilets in room |
| Kindergarten- Small Group Classroom / Breakout Room | 8 | 36 SF/ pupil | 288 | 300 | 1 | 300 | 1 | RTI, Enrichment, Small Groups, Special Ed Services, Testing, Pre-Math, Etc. |
| Kindergarten- Storage | | | | 80 | 1 | 80 | 1 | |
| Kindergarten- Staff Toilet | | | | 60 | 2 | 120 | 1 | |
| Kindergarten- Copy Center/ Work Room | | | | 80 | 1 | 80 | 1 | Can be consolidated with other grades |
| First Grade | 17 | 36 | 612 | 1,000 | 7 | 7,000 | 1 | Confirm first grade= 1000 sf (incl. toilet) instead of 1200 sf |
| First Grade- Small Group Classroom / Breakout Room | 8 | 36 SF/ pupil | 288 | 300 | 1 | 300 | 1 | RTI, Enrichment, Small Groups, Special Ed Services, Testing, Pre-Math, Etc. |
| First Grade- Storage | | | | 80 | 1 | 80 | 1 | |
| First Grade- Staff Toilet | | | | 60 | 2 | 120 | 1 | |
| First Grade- Copy Center/ Work Room | | | | 80 | 1 | 80 | 1 | |
| Second Grade | 22 | 36 | 792 | 900 | 7 | 6,300 | 2 | |
| Second Grade- Small Group Classroom / Breakout Room | 8 | 36 SF/ pupil | 288 | 300 | 1 | 300 | 2 | RTI, Enrichment, Small Groups, Special Ed Services, Testing, Pre-Math, Etc. |
| Second Grade- Storage | | | | 80 | 1 | 80 | 2 | |
| Second Grade- Shared Toilet | | | | 60 | 4 | 240 | 2 | |
| Second Grade- Copy Center/ Work Room | | | | 80 | 1 | 80 | 2 | Can be consolidated with other grades |
| Third Grade | 22 | 36 | 792 | 900 | 7 | 6,300 | 2 | |
| Third Grade- Small Group Classroom / Breakout Room | 8 | 36 SF/ pupil | 288 | 300 | 1 | 300 | 2 | RTI, Enrichment, Small Groups, Special Ed Services, Testing, Pre-Math, Etc. |
| Third Grade- Storage | | | | 80 | 1 | 80 | 2 | |
| Third Grade- Shared Toilet | | | | 60 | 4 | 240 | 2 | |
| Third Grade- Copy Center/ Work Room | | | | 80 | 1 | 80 | 2 | |
| Fourth Grade | 22 | 36 | 792 | 900 | 7 | 6,300 | 2 | |
| Fourth Grade- Small Group Classroom / Breakout Room | 8 | 36 SF/ pupil | 288 | 300 | 1 | 300 | 2 | RTI, Enrichment, Small Groups, Special Ed Services, Testing, Pre-Math, Etc. |
| Fourth Grade- Storage | | | | 80 | 1 | 80 | 2 | |

Clark Wilkins School
Pre-k through 5th Grade
Program

Existing Enrollment = 765 (Pre-K not incl)
Core Design= 1079 (Pre-K not incl)
Design Capacity= 889 Students (Pre-K not incl)

| NAME | MAX # PUPILS/ AREA | MIN NSF/ STUDENT | MIN NSF/ AREA | ADJUSTED NSF/ AREA | NUMBER REQUIRED | TOTAL NSF | PREFERRED LEVEL | COMMENTS |
|--|--------------------|--------------------------------------|---------------|--------------------|-----------------|-----------|-----------------|---|
| Fourth Grade- Shared Toilet | | | | 60 | 4 | 240 | 2 | |
| Fourth Grade- Copy Center/ Work Room | | | | 80 | 1 | 80 | 2 | Can be consolidated with other grades |
| Fifth Grade | 22 | 36 | 792 | 900 | 7 | 6,300 | 2 | Only grade to receive lockers - add alternate |
| Fifth Grade- Small Group Classroom / Breakout Room | 8 | 36 SF/ pupil | 288 | 300 | 1 | 300 | 2 | RTI, Enrichment, Small Groups, Special Ed Services, Testing, Pre-Math, Etc. |
| Fifth Grade- Storage | | | | 80 | 1 | 80 | 2 | |
| Fifth Grade- Shared Toilet | | | | 60 | 4 | 240 | 2 | |
| Fifth Grade- Copy Center/ Work Room | | | | 80 | 1 | 80 | 2 | Can be consolidated with other grades |
| Flex Classroom- Large | 17 | 1,000 sf min (CR only) 50 sf / pupil | 850 | 1,200 | 1 | 1,200 | 1 | Locate near Pre-k , doubles as Maker space. Includes toilet |
| Flex Classroom- Small | 22 | 36 | 792 | 900 | 2 | 1,800 | 2 | Placed in between grades |
| General Classrooms Subtotal | | | | | | 52,880 | | |
| Specialized Classroom | | | | | | | | |
| Art | 22 | 900 sf min (CR only) 36 sf / pupil | 792 | 1,000 | 2 | 2,000 | both | Confirm Size, existing room size is 1250 sf. Was reduced from 1200 sf in previous version. |
| Art- Display | | | | | | 0 | 1 | in Corridor |
| Art- Kiln | | | | 90 | 1 | 90 | 1 | Not on 2020 program |
| Art- Storage | | | | 300 | 1 | 300 | 1 | Shared between Art rooms. SF Increased from 2020 program of 200 sf |
| Music- Choral | 22 | 25 | 550 | 1,200 | 1 | 1,200 | 1 | |
| Music Room | 22 | 25 | 550 | 1,200 | 1 | 1,200 | 1 | confirm space requirements |
| Practice Rooms | | | | 70 | 2 | 140 | 1 | Added at teacher request. |
| Music Storage | | | | 200 | 2 | 400 | 1 | |
| Professional Development | 20 | 36 | 720 | 900 | 1 | 900 | 1 | locate near Core spaces & first floor |
| Specialized Classroom Subtotal | | | | | | 6,230 | | |
| Special Services Classroom | | | | | | | | |
| Case Managers / Special Educators | | | | 250 | 6 | 1,500 | both | 1 per grade - Each with office and meeting space for up to 6 - Integrate into Teams. Confirm size |
| Math Intervention | | | | 180 | 1 | 180 | 1 | |
| My Time Calming Room | 1 | | | 40 | 1 | 40 | 1 | |
| My Time Education/ Meeting Room | 8 | | | 900 | 2 | 1,800 | both | Social, Emotional, Behavioral Needs Program including ASD |
| My Time Office | | | | 180 | 1 | 180 | 2 | |
| OT/PT | | | | 600 | 2 | 1,200 | both | |
| Reading Intervention | | | | 180 | 2 | 360 | 1 | Integrate into teams/ Pods |
| Speech Language Pathologist | | | | 150 | 4 | 600 | both | |
| Stars- Calming room | | | | 50 | 2 | 100 | 1 | Needs re-construction, Padding, Door with window |
| Stars- Education/ Meeting Room | 10 | | | 1,200 | 1 | 1,200 | 1 | Significantly Impaired Program. Room w/ adaptive equipment, work spaces for 12 |
| Stars- Kitchen Area | | | | 300 | 1 | 300 | 1 | Attached to Educational meeting Area |
| Stars Offices | | | | 180 | 2 | 360 | 1 | 1 BCBA and 1 Teacher Office |
| Stars- Restroom | | | | 64 | 1 | 64 | 1 | Include shower & changing table |
| Stars- Storage | | | | 80 | 1 | 80 | 1 | |
| Testing Room | | | | 100 | 1 | 100 | 1 | |
| Special Services Subtotal | | | | | | 8,064 | | |
| Core | | | | | | | | |

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| NAME | MAX # PUPILS/ AREA | MIN NSF/ STUDENT | MIN NSF/ AREA | ADJUSTED NSF/ AREA | NUMBER REQUIRED | TOTAL NSF | PREFERRED LEVEL | COMMENTS |
|------------------------------|--------------------|---|---------------|--------------------|-----------------|-----------|-----------------|--|
| Cafeteria | 300 | 15 | 4,500 | 6,000 | 1 | 6,000 | 1 | 300 students/ lunch |
| Cafeteria- Kitchen | | | | 2,300 | 1 | 2,300 | 1 | |
| Cafeteria- Storage | | | | 400 | 1 | 400 | 1 | After School Program can use this room |
| Cafeteria- Table Storage | | | | 400 | 1 | 400 | 1 | Not on 2020 masterplan |
| Media Center | 24 | 1,800 sf min or 40 sf/ pupil for 10% of design capacity | 3,636 | 2,800 | 1 | 2,800 | 1 | Includes 1200 sf stacks and 1400 reading and support areas. DOE calc 909x 10% x 4= 3636 sf. NH DOE waiver req'd |
| Media Center - Office | | | | 150 | 1 | 150 | 1 | |
| Media Center - Work Room | | | | 100 | 1 | 100 | 1 | |
| Media Center- Tech Ed | 22 | 36 | 792 | 900 | 2 | 1,800 | both | 1 adjacent to the Media Center and the other to be centrally located near upper grades |
| PE- Gym | 24 | 7,000 sf (110 sf/ pupil min) | 2,640 | 7,000 | 1 | 7,000 | 1 | |
| PE- Gym Bleachers | | | | 2,000 | 1 | 2,000 | 1 | seating for 500 (alternate) |
| PE Office | | | | 150 | 1 | 150 | 1 | Shared by 2 staff |
| PE- Platform | | | | 900 | 1 | 900 | 1 | Locate off gym |
| PE Storage | | | | 500 | 1 | 500 | 1 | confirm- not listed on masterplan |
| Core Subtotal | | | | | | 24,500 | | |
| Educational Support | | | | | | | | |
| Admin- Assist. Principal | | | | 165 | 2 | 330 | both | |
| Admin- Conf. Rm- Large | 12 | 40 | 480 | 450 | 1 | 450 | 1 | In Admin Suite |
| Admin- Conf. Rm- Small | 6 | 40 | 240 | 240 | 1 | 240 | 2 | With SPED and Guidance. Want to hold 15-18 |
| Admin- Conf. Rm- Small | 6 | 40 | 240 | 200 | 1 | 200 | 1 | In Admin Suite |
| Admin- File/ Record Storage | | | 0 | 300 | 1 | 300 | 1 | |
| Admin- Principal Office | 1 | | | 200 | 1 | 200 | 1 | |
| Admin- Reception/ Waiting | 6 | | 6 | 250 | 1 | 250 | 1 | |
| Admin-Support- Open Office | 3 | 75 | 225 | 500 | 1 | 500 | 1 | Includes space for Admin-AP assist & dog therapy. |
| Admin-Support- Work Room | | | | 200 | 1 | 200 | 1 | Include kitchenette |
| Book Room | 12 | 36 | 432 | 450 | 1 | 450 | both | Monitored by Media Center. Incorporate access by way of corridor |
| Guidance Counselor | | 1 (100 sf) office/ 500 pupils | | 150 | 4 | 600 | 1 | Confirm # of students at a time for each. Is there a "lunch bunch" guidance room? Office with meeting area for 4 at small table? |
| Nurse- Exam/ waiting | | | | 560 | 1 | 560 | 1 | 4 cots minimum plus counter/ sink |
| Nurse- Isolation | | | | 150 | 1 | 150 | 1 | |
| Nurse- Office | | | | 150 | 1 | 150 | 1 | |
| Nurse- Satellite | | | | 160 | 1 | 160 | 2 | 1 cot + counter/ sink |
| Nurse- Satellite- Toilet | | | | 60 | 1 | 60 | 2 | |
| Nurse- Storage | | | | 80 | 1 | 80 | 1 | |
| Nurse- Toilet | | | | 80 | 1 | 80 | 1 | with shower |
| In School Suspension | | | | 100 | 1 | 100 | 1 | |
| Psychologists | | | | 150 | 2 | 300 | both | Confirm # of students at a time for each. Office with meeting area for 4 at small table? |
| Teachers Room | | | | 400 | 2 | 800 | both | how many teachers will be using the room at once? Vending machines? Not in Main Admin Suite |
| Educational Support Subtotal | | | | | | 6,160 | | |

| NAME | MAX # PUPILS/ AREA | MIN NSF/ STUDENT | MIN NSF/ AREA | ADJUSTED NSF/ AREA | NUMBER REQUIRED | TOTAL NSF | PREFERRED LEVEL | COMMENTS |
|---------------------------------------|--------------------|------------------|---------------|--------------------|-----------------|-----------|-----------------|---------------------------|
| Facilities Support | | | | | | | | |
| Building Storage | | | | 600 | 1 | 600 | 1 | |
| Custodial Closet | | | | 60 | 8 | 480 | both | Confirm Quantity: 4 or 8? |
| Custodial Maintenance / Storage | | | | 600 | 1 | 600 | 1 | |
| Custodial Office | | | | 100 | 1 | 100 | 1 | |
| Out door storage / snowblowers | | | | 150 | 1 | 150 | 1 | |
| IT- Central Server Room | | | | 100 | 1 | 100 | 1 | |
| IT- Network Admin Support | | | | 400 | 1 | 400 | 1 | |
| Facilities Support Subtotal- Itemized | | | | | | 2,430 | | |

| | | | | | | | | |
|--------------------------|--|--|--|--|--|---------|--|---------------------------------------|
| Building Program Summary | | | | | | | | |
| Total net Spaces | | | | | | 100,264 | | Net SF total from above |
| Total Gross Spaces | | | | | | 143,234 | | 70% efficiency factor of Net to Gross |

| | | | | | | | | |
|-----------|--|--|--|--|--|-----|--|--|
| SF/ Pupil | | | | | | 143 | | At 1000 Students. Exceeds NH DOE 120 sf/ Student maximum. NH DOE waiver required |
|-----------|--|--|--|--|--|-----|--|--|

Note(s)

- Gross square feet do not include Sheds

| | | | | | | | | |
|------------------------|--|--|--|---|---|--|--|-----------------------|
| Exterior Structures | | | | | | | | |
| Custodial Storage Shed | | | | 0 | 1 | | | Confirm None Required |
| PE Storage Shed | | | | 0 | 0 | | | Confirm None Required |
| Garden Shed | | | | 0 | 0 | | | Confirm None Required |