

Middle School
Summary of Amherst Education Specifications Summary
With 2020 Masterplan Comparison
June 9, 2021
Draft

| | Existing Area * | Program Net SF | Program Gross SF | Plan Option |
|-----------------------------|-----------------|----------------|------------------|-------------|
| 2020 Masterplan | 109,257 | 86,695 | 123,850 | 111,440 |
| 2021 Program (6/9/21 draft) | 109,257 | 80,801 | 115,430** | 112,757 |

* Based upon 2020 Masterplan

** Calculated with same (70%) efficiency factor as the 2020 Masterplan

How the Program Draft is Organized

- The program draft is structured to match the organization of the 2020 Masterplan program for ease of comparison to the recent updates
- 2020 Program and plan figures are both listed for comparison because the figures do not match in many cases.

Program



| NAME | 2020 Program Quantity | 2020 Plan Quantity | 2021 Program Quantity | 2020 Program SF | 2020 Plan Smallest SF | 2021 Program SF | 2021 Program Total Area SF | COMMENTS |
|---------------------------------------|-----------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------------|---|
| 6th Grade Team Areas | | | | | | | | |
| Humanities | 4 | 4 | 4 | 900 | 862 | 900 | 3,600 | Acoustic partition between humanities rooms instead of separate room for 50 students |
| Math | 2 | 2 | 2 | 900 | 894 | 900 | 1,800 | |
| Science | 2 | 2 | 2 | 1,000 | 952 | 1,440 | 2,880 | 24 students |
| Shared Restrooms | 4 | 2 | 2 | 60 | 50 | 50 | 100 | |
| Team Meeting Area/ Commons | 2 | 0 | 1 | 1,000 | 930 | 0 | 0 | see humanities |
| Small Group Classroom / Breakout Room | 2 | 0 | 2 | 300 | 0 | 140 | 280 | Pull out for small groups of pupil- one per team ideal but could be 3 rooms total- small group up to 6 pupils (need)- conference room style with modular furniture. Corridor monitoring windows |
| Storage | 2 | 0 | 2 | 80 | 0 | 80 | 160 | |
| Science Central Storage | 0 | 0 | 1 | 0 | 0 | 80 | 80 | For all grades. Chemicals and Refrigerator - (2 4 ft cabinets + 4 ft counter plus 2 fridges.) 8x10 |
| Copy Center / Work room | 1 | 0 | 1 | 80 | 0 | 80 | 80 | |
| | | | | | | | | |
| 7th Grade Team Areas | | | | | | | | |
| Humanities | 4 | 4 | 4 | 900 | 862 | 900 | 3,600 | Acoustic partition between humanities rooms instead of separate room for 50 students |
| Extra Classroom | 1 | | 1 | 900 | 823 | 900 | 900 | For shared math teacher between grades 7th and 8th ("pre-core") |
| Math | 2 | 2 | 2 | 900 | 894 | 900 | 1,800 | |
| Science | 2 | 2 | 2 | 1,000 | 952 | 1,440 | 2,880 | |
| Science Prep Room | 3 | 2 | 0 | 200 | 80 | 0 | 0 | |
| Shared Restrooms | 4 | 2 | 2 | 60 | 50 | 50 | 100 | |
| Team Meeting Area/ Commons | 2 | 0 | 0 | 1,000 | 930 | 0 | 0 | see humanities |
| Small Group Classroom / Breakout Room | 2 | 2 | 2 | 300 | | 140 | 280 | Pull out for small groups of pupil- one per team ideal but could be 3 rooms total- small group up to 6 pupils (need)- conference room style with modular furniture. Corridor monitoring windows |
| Storage | 2 | 0 | 2 | 80 | 0 | 80 | 160 | |
| Copy Center / Work room | 1 | 0 | 1 | 80 | 0 | 80 | 80 | |
| | | | | | | | | |
| 8th Grade Team Areas | | | | | | | | |
| Humanities | 4 | 4 | 4 | 900 | 862 | 900 | 3,600 | Acoustic partition between humanities rooms instead of separate room for 50 students |
| Extra Classroom | 1 | | 0 | 900 | 823 | 0 | 0 | 7th and 8th grade: see 7th grade |
| Math | 2 | 2 | 2 | 900 | 894 | 900 | 1,800 | |
| Science | 2 | 2 | 2 | 1,000 | 952 | 1,440 | 2,880 | |

Program



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|---|-----------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------------|---|
| Science Prep Room | 3 | 2 | 0 | 200 | 80 | 0 | 0 | |
| Shared Restrooms | 4 | 2 | 2 | 60 | 50 | 50 | 100 | |
| Team Meeting Area/ Commons | 2 | 0 | 0 | 1,000 | 930 | 0 | 0 | see humanities |
| Small Group Classroom / Breakout Room | 2 | 0 | 2 | 300 | 0 | 140 | 280 | Pull out for small groups of pupil- one per team ideal but could be 3 rooms total- small group up to 6 pupils (need)- conference room style with modular furniture. Corridor monitoring windows |
| Storage | 2 | 4 | 2 | 80 | 106 | 80 | 160 | The (4) provided are located in two of the grade pods only (existing science wing) |
| Copy Center / Work room | 1 | 0 | 1 | 80 | 0 | 80 | 80 | |
| Intervention Areas and Special Education | | | | | | | | |
| Reading Intervention- Small Group | 3 | 1 | 1 | 180 | 540 | 150 | 150 | 4 students in pull out |
| Reading Intervention- Mid Size Group | 0 | 0 | 1 | 180 | 0 | 500 | 500 | 12 students in pull out |
| Math Intervention - Small Group | 1 | 1 | 1 | 180 | 284 | 180 | 180 | 6 students in pull out |
| Math and Reading Intervention - Mid Size Group | 1 | 1 | 1 | 600 | 540 | 500 | 500 | 12 students in pull out. Shared with Math and reading |
| Executive Functioning Intervention | 1 | 0 | 0 | 180 | 0 | 0 | 0 | Function moving into Case Manager Spaces |
| Case Manager: Pull out instruction | 0 | | 3 | | | 250 | 750 | 1:6 student ratio. |
| Case Managers / Special Educators | 3 | 6 | 6 | 250 | 160 | 100 | 600 | 6 or combine to 3 combined offices: calls and admin work only |
| Foreign Language | | | | | | | | |
| Classroom | 2 | 4 | 2 | 900 | 823 | 900 | 1,800 | |
| Storage | 2 | 0 | 0 | 200 | 0 | 0 | 0 | Storage in classrooms |
| Innovators and Makers | | | | | | | | |
| Lab | 1 | 1 | 1 | 2,800 | 2,780 | 1,400 | 1,400 | small electronics and Vex robotics fabrication for 20 students |
| Storage | 2 | 0 | 1 | 200 | 0 | 200 | 200 | |
| Wood Shop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | See Lab |
| Computer/ Programing/ Design Classroom | 0 | 0 | 1 | 0 | 0 | 1,200 | 1,200 | Project based design and learning. Flexible with epoxy tops plus perimeter CPU's for 20 |
| Cutting room | 0 | 0 | 1 | 0 | 0 | 250 | 250 | |
| 3D Printer Room | 0 | 0 | 1 | 0 | 0 | 250 | 250 | 3D, plotter, CNC laser |
| Art | | | | | | | | |
| Art Studio Classroom | 2 | 2 | 1 | 1,200 | 1,208 | 1,200 | 1,200 | ceramics- 24 students max |

Program



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|--|-----------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------------|--|
| Art Classroom- 2D | 0 | 0 | 1 | 0 | 0 | 1,200 | 1,200 | 24 students max |
| Storage Area | 1 | 1 | 1 | 200 | 65 | 140 | 140 | 10 x 14 ft with 24 lf of shelving |
| Display Area | | | | | | | 0 | in corridor |
| Kiln | 0 | 0 | 1 | 0 | 0 | 90 | 90 | |
| Family and Consumer Sciences | | | | | | | | |
| Lab | 1 | 1 | 1 | 1,500 | 1,741 | 1,700 | 1,700 | 5 kitchens and fabric instruction. Wardrobe for sewing machine storage. Two fridge/ freezer combined |
| Storage | 1 | 0 | 1 | 100 | 323 | 100 | 100 | |
| Music / Performing Arts | | | | | | | | |
| Music Room | 2 | 2 | 0 | 2,400 | 2,379 | 0 | 0 | See below |
| Music (Band/ Chorus) | 0 | 0 | 1 | 0 | 0 | 2,400 | 2,400 | |
| Music Theory Classroom | 0 | 0 | 1 | 0 | 0 | 1,100 | 1,100 | Music instruction for 24 students (includes drumming for 20 and guitar for 20) |
| Practice Rooms | 4 | 4 | 2 | 60 | 60 | 60 | 120 | 2 needed |
| Instrument Storage | 1 | 0 | 1 | 300 | 0 | 150 | 150 | locker storage in Classrooms |
| Storage | 2 | 1 | 1 | 100 | 149 | 100 | 100 | |
| Music Instruction | 0 | 1 | 0 | 0 | 355 | 0 | 0 | |
| Life Skills | | | | | | | | |
| Education | 1 | 1 | 1 | 862 | 998 | 1,100 | 1,100 | 15 cubbies including 3 ADA (5 x 7) added to the existing 12 |
| Kitchen Area and Life skills Instruction | 1 | 1 | 1 | 736 | 386 | 736 | 736 | existing to remain |
| Restroom | 1 | 1 | 1 | 64 | 67 | 85 | 85 | ADA toilet (shower a want). |
| Calming Room | 2 | 0 | 1 | 50 | 0 | 40 | 40 | without pads (1:1) Bean bag |
| De-escalation | 0 | 0 | 1 | 0 | 0 | 60 | 60 | with pads (2:1) |
| Office | 1 | 1 | 1 | 180 | 96 | 350 | 350 | 2 workstations, meeting area and files |
| OT Area | 0 | 0 | 1 | 0 | 0 | 200 | 200 | First floor: Movement area. Therapy equipment will be in the OT/ PT space |
| Storage | 1 | 0 | 1 | 80 | 0 | 80 | 80 | teacher locker cubbies, charging plus games and puzzles |
| Changing room | 0 | 0 | 1 | 0 | 0 | 50 | 50 | separate room desired but could be curtain in the toilet room |
| Washer Dryer closet | 0 | 0 | 1 | 0 | 0 | 35 | 35 | fire rated closet |
| Conference Room | 0 | 1 | 0 | 0 | 106 | 0 | 0 | no separate conference room |
| My Time | | | | | | | | |
| Education/ Meeting Room | 2 | 2 | 1 | 600 | 608 | 600 | 600 | " green room" for academic work: 12 students and paras |
| Education/ Meeting Room- quiet | 0 | 0 | 1 | 0 | 0 | 450 | 450 | "yellow" for academic and behavioral work (8 students and 2 paras) |

Program



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|-----------------------------|-----------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------------|--|
| Calming Room | 1 | 2 | 2 | 40 | 54 | 80 | 160 | 2:1 can also be used as testing rooms (8 x 10 ft) |
| Computer Labs | | | | | | | | |
| Laptop Lab | 1 | 1 | 1 | 900 | 629 | 900 | 900 | Instruction and part of integrated arts program adjacent to Learning Commons. Also serves as a flex room |
| Flex storage closet | 0 | 0 | 1 | 0 | 0 | 65 | 65 | for Laptop lab- want |
| Computer Lab | 1 | 1 | 0 | 900 | 632 | 0 | 0 | Laptop Lab Flex: See Innovation lab |
| Core | | | | | | | | |
| Administration | | | | | | | | |
| Principal | 1 | 1 | 1 | 200 | 212 | 200 | 200 | |
| Assist Principal | 2 | 2 | 2 | 165 | 185 | 165 | 330 | (one for special education) |
| AP Assistant | 1 | 0 | 1 | 130 | 0 | 130 | 130 | (to assist SPED AP) |
| Admin Support / Open Office | 1 | 1 | 1 | 350 | 452 | 200 | 200 | 2 admin assist: close proximity to Princ and AP and line of sight to receptionist |
| Reception/Waiting | 1 | 1 | 1 | 250 | 181 | 250 | 250 | 1 admin assist/ reception plus waiting chairs |
| SRO | 1 | 1 | 1 | 180 | 179 | 180 | 180 | size to be confirmed- present (remote) location and size preferred for response and infrastructure. |
| Instructional Coach | 1 | 0 | 1 | 200 | 0 | 200 | 200 | 1:5 students. Can be anywhere among grade classrooms areas |
| Work room | 1 | 0 | 1 | 200 | 0 | 150 | 150 | printer, shredder, mail machine, paper/ envelopes, work counter. |
| Large Conference / Meeting | 1 | 1 | 1 | 450 | 491 | 300 | 300 | 12 people - access directly from corridor and admin suite. Near entrance |
| Small Conference / Meeting | 1 | 1 | 4 | 200 | 187 | 200 | 800 | 8 people: One in Admin suite and 3 dispersed throughout the school for multiple use |
| In School Suspension | 0 | 0 | 1 | 0 | 0 | 200 | 200 | up to 4 students. Could be conference room if space restraints require |
| Admin Toilet | 0 | 0 | 1 | 0 | 0 | 50 | 50 | |
| Admin Break Counter | 0 | 0 | 1 | 0 | 0 | 45 | 45 | Can be alcove in main circulation if screened from public |
| Teachers Room | 1 | 0 | 1 | 400 | 0 | 400 | 400 | Not required in admin. Can be anywhere among grade classrooms areas |
| File / Record Storage | 1 | 0 | 1 | 300 | 0 | 300 | 300 | |
| Health Office | | | | | | | | |
| Nurse Office | 1 | 1 | 1 | 150 | 100 | 150 | 150 | |
| Entry/ Waiting | 1 | 1 | 1 | 80 | 218 | 150 | 150 | waiting combined with reception. 3 chairs |

Program



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|--|-----------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------------|---|
| Toilet | 1 | 2 | 1 | 60 | 48 | 75 | 75 | |
| Sick/ Treatment Area | 1 | 1 | 1 | 200 | 269 | 200 | 200 | 2 cots, counter and fridge |
| isolation room | 0 | 0 | 1 | 0 | 0 | 85 | 85 | 1 cot |
| Storage | 1 | 0 | 1 | 75 | 0 | 75 | 75 | |
| Guidance | | | | | | | | |
| Guidance Counselor | 2 | 2 | 2 | 150 | 176 | 150 | 300 | 1:1 including office space |
| Social Worker | 1 | 1 | 1 | 150 | 168 | 120 | 120 | 1:1 including office space |
| Psychologist | 1 | 1 | 1 | 150 | 179 | 120 | 120 | 1:1 including office space |
| Behavioral Coach | 1 | 1 | 1 | 150 | 282 | 120 | 120 | 1:1 including office space |
| Guidance Waiting | 1 | 0 | 0 | 100 | 0 | 0 | 0 | not required |
| Small Conference/ Meeting | 1 | 0 | 0 | 240 | 0 | 0 | 0 | will use general conference rooms |
| File/ Record Storage | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Use Main Office Storage |
| Special Education Areas | | | | | | | | |
| Special Education Offices | 0 | 0 | 0 | 0 | 0 | 0 | 0 | See above in Intervention Areas and Special Education |
| BCBA (behavioral specialist) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Listed in Life Skills and My Time Areas |
| OT/PT Area | 1 | 1 | 1 | 900 | 910 | 900 | 900 | used by life skills, movement breaks for all students + OT/PT. Includes Storage- needs to be on the first floor |
| Testing Room | 1 | 0 | 0 | 100 | 0 | 0 | 0 | Part time need To be shared with other SPED services |
| Speech- office | 2 | 0 | 1 | 150 | 0 | 200 | 200 | Shared by 1.75 SLP therapists. 1 :1 ratio |
| Speech- Instruction | 0 | 0 | 1 | 0 | | 200 | 200 | 1:5 ratio (full time use need) |
| File / Record Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Use Main Office Storage |
| Learning Commons | | | | | | | | |
| Open Learning Commons | 1 | | 0 | 2,000 | | 0 | 0 | See Media Center |
| Professional Development / Small Group Areas | 3 | | 0 | 480 | | 0 | 0 | To utilize flex rooms and conference rooms |
| Media Center | | | | | | | | |
| Library/ Stacks | 1 | 1 | 1 | 1,200 | 2,121 | 1,700 | 1,700 | 8500 books projected at 1130 lf. Includes circ. Desk |
| Reading Areas | 1 | 0 | 1 | 1,200 | 0 | 700 | 700 | includes soft seating, high tops, circulation, 2 computer stations- 900 sf a want |
| Work Room | 1 | 0 | 1 | 100 | | 100 | 100 | |
| Library Office | 1 | 0 | 1 | 150 | | 150 | 150 | |

Program



| NAME | 2020 Program Quantity | 2020 Plan Quantity | 2021 Program Quantity | 2020 Program SF | 2020 Plan Smallest SF | 2021 Program SF | 2021 Program Total Area SF | COMMENTS |
|--|-----------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------------|--|
| Book storage | 0 | 0 | 1 | 0 | 0 | 250 | 250 | 10 x 25: 466 lf shelving at 6 shelves high. 3000 novels and 1000 text books to be stored nearby. Check out to be push into classroom |
| Technology Area/ Tech Education | 1 | | 0 | 800 | | 0 | 0 | See Laptop lab |
| Conference/ Reading Room | 1 | 0 | 0 | 510 | | 0 | 0 | Locate in other part(s) of the building)- See Admin |
| Health & Physical Education | | | | | | | | |
| Main Gym | 1 | 1 | 1 | 8,000 | 8,000 | 8,000 | 8,000 | Existing Gym size |
| Girls Locker Room | 1 | 1 | 1 | 1,000 | 1,000 | 880 | 880 | No showers needed |
| Boys Locker Room | 1 | 1 | 1 | 1,000 | 1,000 | 880 | 880 | No showers needed |
| PE Office | 2 | 2 | 2 | 90 | 86 | 86 | 172 | Matches existing sf |
| PE Teacher Toilet | 0 | 2 | 2 | 0 | 47 | 47 | 94 | With Shower- not required to be ADA |
| AD Office | 1 | 0 | 1 | 170 | 0 | 140 | 140 | |
| Toilet Rooms (Student) | 2 | 2 | 0 | 113 | 113 | 0 | 0 | Part of Locker Room SF |
| Storage (Locker Room) | 0 | 2 | 2 | 0 | 37 | 37 | 74 | Matches existing sf |
| PE Storage | 1 | 1 | 1 | 1,600 | 400 | 400 | 400 | Matches existing sf |
| Recreation Department Storage | 0 | 1 | 1 | 0 | 200 | 300 | 300 | 100 sf more than existing |
| Student Athletic Equipment Storage | 0 | 0 | 1 | 0 | 0 | 300 | 300 | Currently stored outside main entrance |
| Multipurpose workout room | 0 | 0 | 1 | 0 | 0 | 750 | 750 | Want: Yoga, cardio etc |
| Health Classroom | 0 | 1 | 1 | 0 | 905 | 900 | 900 | located near Gym- Full time need. See utilization table |
| Cafeteria | | | | | | | | |
| Dining Area | 1 | 1 | 1 | 3,762 | 3,762 | 3,762 | 3,762 | |
| Performance Stage | 1 | 1 | 1 | 1,300 | 1,300 | 1,300 | 1,300 | |
| Kitchen Area | 1 | 1 | 1 | 2,300 | 2,300 | 2,300 | 2,300 | |
| Maintenance | | | | | | | | |
| Custodial Closets | 8 | | 5 | 60 | | 60 | 300 | Matches existing quantity |
| Custodial Office | 1 | 1 | 1 | 335 | 348 | 348 | 348 | includes receiving: matches existing |
| Building Storage | 1 | 1 | 1 | 600 | 600 | 575 | 575 | matches existing combined spaces next to gym |
| Tech Support | | | | | | | | |
| Network Admin Support (IT) | 1 | 0 | 1 | 650 | 0 | 650 | 650 | 900 sf is a want- includes 2 workstations, storage cage and work bench + storage |
| IT Storage | 0 | 0 | 1 | 0 | 0 | 300 | 300 | Want: If not Network Admin Support is 650 sf |

Program



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|---------------------|-----------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------------|---|
| Central Server Room | 1 | 0 | 1 | 75 | 0 | 150 | 150 | Can move from existing location next to 2nd floor library area but prefer to stay |
| Data Closets | 0 | 0 | 3 | 0 | 0 | 75 | 225 | |

| Building Program Summary | | | | | | | | |
|--------------------------|--|--|--|--|--|--|---------|---------------------------------------|
| Total net Spaces | | | | | | | 80,801 | Net SF total from above |
| Total Gross Spaces | | | | | | | 115,430 | 70% efficiency factor of Net to Gross |
| Existing Building SF | | | | | | | 109,257 | |

| | | | | | | | | |
|-----------|--|--|--|--|--|--|-----|---|
| SF/ Pupil | | | | | | | 201 | At 573 Students. Exceeds NH DOE 140 sf/ Student maximum. NH DOE waiver required |
|-----------|--|--|--|--|--|--|-----|---|

Note(s)

See Summary Narrative

| Exterior Structures | | |
|------------------------|-------------|---------------------------------------|
| Custodial Storage Shed | see comment | (2) existing red sheds are sufficient |
| PE Storage Shed | 0 | |
| Garden Shed | 0 | |

Legend:

Blue= updated program needs for 2021

Purple= spaces not included or undersized in the 2020 plan vs the 2020 program

Orange= spaces included or oversized in the 2020 plan vs the 2020 program