

High School Ed Spec Space Program for 1,500 (Revised) - Utilization Based										1,500 Capacity
# of Rms	Room Name/Department	Description	Program Area	Teach Stat.	No of Students	Capacity @ 100%	Utiliz. Factor	Design Capacity	% of GSF	Notes
Instructional Areas:										
38	General Classrooms	Eng., Math, W. Lang., Soc. Studies	34,200	38	28	1,064	86%	915		900 SF CR's
4	Teacher Workrooms	11 workstations @ 75 SF ea x 4	3,300							44 total stations
4	Departmental Storage	4 @ 300 SF ea.	1,200							
4	Staff Toilets	4 @ 50 SF ea.	200							
1	Publications/Yearbook Room		500	0		0				
1	Language Arts Book Storage		200							
Subtotal			39,600	38		1,064		915	18.3%	
Science (2010 Graduation Requirements)										
5	Earth Science/Physics Labs	5 @ 1,250 SF ea	6,250	5	28	140	86%	120		
5	Chemistry/Biology Labs	5 @ 1,400 SF ea	7,000	5	24	120	86%	103		
5	Lab Prep Rooms/Storage	5 @ 450 SF ea	2,250							
3	Chemical Storage	3 @ 100 SF ea	300							
1	Teacher Workroom/toilet	12 wkstations @ 75 SF ea + staff toilet	950							
Subtotal			16,750	10		260		224	7.8%	
Technology										
1	Computer/CADD Drafting Lab	Drafting, graphics, interior design	1,200	1	28	28	71%	20		Desktop computers
1	CADD Lab Storage		100							
1	Technology Lab	Tech 2000 Type Lab	1,200	1	28	28	57%	16		
1	Fabrication Room	Model building	400							
1	File Server Room & Storage		175							
1	Teacher Workroom	3 workstations @ 75 SF	225							
Subtotal			3,300	2		56		36	1.5%	
Family and Consumer Sciences (FACS)										
1	Food Lab	7 kitchen units + lecture space	1,400	1	24	24	71%	17		
1	Food Lab Storage Pantry	Refrig, freezers and washer/dryer	250							
1	Multi-Use Classroom Lab	fashion/interior design	900	1	28	28	71%	20		
1	Teacher Workroom	3 workstations @ 75 SF	225							
Subtotal			2,775	2		52		37	1.3%	
Business										
2	Computer Classrooms	2 @ 900 SF ea	1,800	2	28	56	57%	32		Laptop-wireless
1	Business Classroom		900	1	28	28	71%	20		
1	Teacher Workroom	4 workstations + storage	300							
Subtotal			3,000	3		84		52	1.4%	

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Music - Instrumental										
1	Instrumental Music Room	w/good acoustic design & proportion	2,000	1	50	50	71%	36		
1	Ensemble Room	small group practice - band or vocal	400	0						
3	Practice Rooms	3 @ 75 SF ea - shared w/vocal	225	0						
1	Large Instrument Storage		300							
1	Small Instrument Storage	Lockers in the music dept. corridor	200							
1	Uniform/Robe Storage	shared w/vocal	250							
1	Office - Band/Color Guard	3 workstations @ 75 SF	225							
Subtotal			3,600	1		50		36	1.7%	
Music - Vocal										
1	Vocal Music Room	w/good acoustic design & proportion	1,200	1	34	34	71%	24		
1	Sheet Music Storage	shared w/band	100							
1	Office - Choir		150							
Subtotal			1,450	1		34		24	0.7%	
Art										
1	2-D Art Studio	Drawing, painting	1,250	1	28	28	71%	20		
1	2-D & 3-D Studio	Multi-use: photo, jewelry, sculpture	1,250	1	28	28	71%	20		
1	Ceramics Studio	Includes student project storage	1,500	1	28	28	57%	16		
1	Kiln Room w/Storage & glazing	Electric only-gas kiln in outdoor encl	300							
1	Pugmill Room	Adjacent to ceramics studio	100							
1	Photo Darkroom	Darkroom & Negative room	600							Use Combo studio as CR
1	Teacher Offices	4 workstations @ 75 SF	300							
Subtotal			5,300	3		84		56	0.7%	
Special Education										
4	Classrooms	500SF CR's for 8-12 students	2,000	0						Pull-out students
1	ELL/ESL Classroom	pull-out students	500	0						
1	Conference Room	Shared w/Challenge	200							
1	Storage		100							
Subtotal			2,800	0					1.3%	
Challenge/SLIC Suite										
1	Challenge/SLIC Classroom		1,200	1	12	12	86%	10		
1	Handicapped Toilet	Incl change table, shower & wash/dry	100							
1	Testing Room	Shared w/Special Ed	75							
1	Storage		125							
1	SERS Office	Shared w/Special Ed	300							
Subtotal			1,800	1		12		10	0.8%	
Subtotal Instructional Areas:			80,375	61		1,696		1,389	37.2%	

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Core Instructional Areas:										
Library										
1	Book Stacks/Seating	12K - 15K Volumes & 2 class seating areas	5,750							
1	Circ Desk/Periodicals		450							
1	Catalog/Reference	Look-up computer stations	400							
1	Computer Research Cluster		500							
1	Library Office		250							
1	Processing/Workroom	w/unisex staff toilet included	600							
1	AV Storage/File Server		300							
Subtotal			8,250	0		0			3.8%	
Auditorium										
1	Seating Area	500 seats @ 10 SF ea	5,000							
1	Stage/Platform	Drama CR	2,000	1	28	28	57%	16		
1	Orchestra Pit	w/handicapped access	450							
1	Control Booth	w/handicapped access	350							
2	Dressing Rooms w/toilet	2 @ 200 SF ea	400							
1	Stagecraft Workroom		600							
1	Stagecraft Storage		300							
1	Public Toilets & Custodial	2 @ 250 SF ea + custodial	550							
	Ticket Booth	Incl w/School Store - Cafeteria/Commons	0							
Subtotal			9,650	1		28		16	4.5%	
P.E./Athletics										
1	Main Gym w/divider curtain	Bleacher seating for 1,600	14,560	2	30	60	71%	43		104'x140' (84' court)
1	Auxiliary Gym	w/bleachers for 200	7,800	1	30	30	71%	21		
1	Fitness/Weight Room		3,200	1	30	30	71%	21		
1	Wrestling/Gymnastics Room		2,450	1	30	30	71%	21		
1	Boys Locker Rm/Offices	Incl PE & Athletic lockers, toilets & showers	3,800							
1	Girls Locker Rm/Offices	Incl PE & Athletic lockers, toilets & showers	3,800							
1	Equipment Storage	Subdivide for each sport	1,900							
1	Training Room	shared whirlpool & training table	350							
1	Team Room/Conference Room		500							
2	Public Toilets & Custodial	2 @ 250 SF ea + custodial	550							
Subtotal			38,910	5		150		107	18.0%	
Subtotal Core Instructional Areas			56,810	6		178		122	26.3%	

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Core Support Areas:										
Administration										
1	Principal's Office		225							
4	Assistant Principal Offices	4 AP offices @ 150SF ea	600							
1	Reception Area		400							
2	Secretary Area	2 @ 150 SF ea. - desk + files	300							
1	Business Office	Incl file space	200							
1	Attendance Office	Incl file space	200							
1	Athletic Office	Incl file space	200							
1	Staff Mail Slot Area		60							
1	Conference Room	w/folding partition to divide room	500							
1	Clinic/Health Center	Includes HC toilet	300							
1	Work Room		400							
2	Staff Toilets	2 Unisex toilets @ 50SF ea	100							
1	Facility Manager's Office		150							
1	Office Storage/Supplies		200							
1	Campus Supervisor's Office	3 workstations @ 75SF ea	225							
1	School Resource Officer Office	Access from main corridor	150							
Subtotal			4,210	0					1.9%	
Guidance/Counseling										
1	College/Career Center Info		600							
6	Counselor Offices	6 Offices @ 125 SF ea	750							
1	Reception		300							
1	Conference/Testing Room		250							
1	Records & Storage		200							
Subtotal			2,100	0					1.0%	
Cafeteria/Commons										
1	Cafeteria Seating	450 seats @ 12 SF ea - round tables	5,500							450 seats
1	Que line for food serving	Assume food court scramble concept	400							
1	Kitchen	Prep kitchen	2,800							
1	Faculty Lounge	Kitchenette, vending & seating	500							
1	Chair/Table Storage/Vending		400							
1	Custodial Closet/Supplies		150							
2	Public Toilets	2 @ 200 SF ea - after hours use	400							
1	Student Store		300							
Subtotal			10,450	0					4.8%	

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Building Support										
1	Storage & Receiving Room	Main receiving & distributed stor	800							
4	Data/Communication Rooms	(MDF @ 210 SF & 4 IDF's @ 50 SF)	410							
1	Technologists Office/Workroom		300							
1	Outside Equipment Storage		250							
1	Student Gov't Workroom/Stor		400							
1	Media Production Studio	school wide broadcast studio	500							
4	Student Toilets/Custodial Rooms	4 ea @ 180 SF ea = 800 SF x 2 + custodial	1,600							
1	Mechanical Boiler Room		1,300							
1	Chiller Room		850							
6	Electrical MDC/Branch Closets	1 MDC & 5 Elect/Telephone closets	900							
	Corridors/Lockers	Included in building support % factor	0							In support factor
	Subtotal		7,310						3.4%	
	Subtotal Core Support Areas		24,070						11.1%	
Site/Field Buildings										
1	Site Maintenance Equipment	Lawn & snow equipment	350							
1	Football/Track Equip. Storage		350							
1	Baseball/Softball Storage		250							
1	Concessions/Pressbox		250							
	Subtotal		1,200							
	Total Programmed Building Area		162,455	67		1,874		1,511	75.2%	
	Building Circulation Factor	33% of program area - corridors, etc	53,610						24.8%	
	Total Gross Building Area		216,065							
	Gross Building Capacity	100% utilization		67		1,874				
	Square Foot per Student							143	SF./Student	
	Total Building Utilization						81%			
	Notes:									
1	Utilization based on 7 hours of use per day - either regular periods or block schedule.									
2	Utilization factors: 86% = 6 hrs.; 71% = 5 hrs.; 56% = 4 hrs.									

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Alternate Programs:										
Auto Mechanics:										
1	Auto Workbays	3 cars	1,000	1	20	20	57%	11		
1	Lecture/Classroom	Shared w/Vocational Lab	600							
1	Tool/Equipment Storage		300							
1	Workbench Area		350							
1	Teacher Workroom		150							
Subtotal			2,400							
Vocational Shop:										
1	Vocational Lab	Multi-use: wood, metal, masonry	1,800	1	20	20	57%	11		
1	Finish Room		100							
1	Tool/Equipment Storage		300							
1	Teacher Workroom		150							
Subtotal			2,350							
Alternate Programs Total			4,750	2	40	40		22		