

High School Ed Spec Space Program for 2,000 (Revised) - Utilization Based										2,000 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:										
53	General Classrooms	Eng., Math, W. Lang., Soc. Studies	47,700	53	28	1,484	86%	1,276		900 SF CR's
4	Teacher Offices	15 workstations @ 75 SF ea x 4	4,500							60 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			54,300	53		1,484		1,276	21.5%	
Science (2010 Graduation Requirements)										
7	Earth Science/Physics Labs	7 @ 1,250 SF ea	8,750	7	28	196	86%	169		
7	Chemistry/Biology Labs	7 @ 1,400 SF ea	9,800	7	24	168	86%	144		
6	Lab Prep Rooms/Storage	6 @ 450 SF ea	2,700							
3	Chemical Storage	3 @ 100 SF ea	300							
1	Teacher Offices w/toilet	16 wkstations @ 75 SF ea + staff toilet	1,250							
Subtotal			22,800	14		364		313	9.0%	
Technology										
1	Computer/CADD Lab	Drafting, graphics	1,200	1	28	28	71%	20		Desktop computers
1	Lab Storage		100							
1	Technology Lab	Tech 2000 Type Lab	1,200	1	28	28	57%	16		
1	Fabrication Room	Model building	400							
1	Multi-purpose Lab	Multi-use: Tech, Art, Business	1,000	1	28	28	71%	20		
1	File Server Room & Storage		250							
1	Teacher Office	3 workstations @ 75 SF	225							
Subtotal			4,375	3		84		56	1.7%	
Family and Consumer Sciences (FACS)										
1	Food Lab	7 kitchen units + lecture space	1,400	1	28	28	71%	20		
1	Food Lab Storage Pantry	Laundry & Storage	250							
1	Multi-Use Classroom Lab	fashion/interior design	900	1	28	28	71%	20		
1	Teacher Office	3 workstations @ 75 SF	225							
Subtotal			2,775	2		56		40	1.1%	
Business										
2	Computer Classrooms	2 @ 900 SF ea	1,800	2	28	56	57%	32		Laptop computers
1	Business Classroom		900	1	28	28	71%	20		
1	Marketing Classroom		900	1	28	28	71%	20		
1	Teahcer Office	4 workstations @ 75 SF	300							
Subtotal			3,900	4		112		72	1.5%	

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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		0				
3	Practice Rooms	3 @ 75 SF ea - shared w/vocal	225							
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	1.4%	
Music - Vocal										
1	Vocal Music Room	w/good acoustic design & proportion	1,200	1	40	40	71%	28		
1	Sheet Music Storage	shared w/band	100							
1	Office - Choir		150							
Subtotal			1,450	1		40		28	0.6%	
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	2.1%	
Special Education										
4	Classrooms	500SF CR's for 8-12 breakout students	2,000	0		0				
1	ESL Classroom	pull-out students	500	0		0				
1	Conference Room	Shared w/Challenge	200							
1	Storage		100							
Subtotal			2,800	0		0			1.1%	
Challenge/SLIC Suite										
1	Challenge/SLIC Classroom		1,200	1	12	12	86%	10		
1	Handicapped Toilet	Incl chang. platform, shower & wash/dry	125							
1	Testing Room	Shared w/challenge/SLIC	75							
1	Storage		125							
1	SERS Office	Shared w/challenge/SLIC	350							
Subtotal			1,875	1		12		10	0.7%	
Subtotal Instructional Areas:			103,175	82		2,286		1,886	40.8%	

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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 Researce Cluster		500							
1	Library Office	3 workstations	250							
1	Processing/Workroom	w/staff toilet included	600							
1	AV Storage/File Server		300							
Subtotal			8,250	0		0			3.3%	
Auditorium										
1	Seating Area	575 seats @ 10 SF ea	5,750							
1	Stage	Drama CR	2,000	1	28	28	57%	16		Use stage/seating as CR
1	Orchestra Pit	w/handicapped access	450							
1	Control Booth	w/handicapped access	350							
2	Dressing Rooms w/toilet	2 @ 250 SF ea	500							
1	Stagecraft Workroom		600							
1	Stagecraft Storage		400							
1	Public Toilets & Custodial	2 @ 250 SF ea + custodial	550							After hours access
	Ticket Booth	Incl w/School Store - Cafeteria/Commons	0							
Subtotal			10,600	1		28		16	4.2%	
P.E./Athletics										
1	Main Gym w/divider curtain	Bleacher seating for 2,000	15,390	2	30	60	71%	43		104'x 148' (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	2,000							
1	Training Room	shared whirlpool & training table	350							
1	Team Room/Conference Room		500							
2	Public Toilets & Custodial	2 @ 250 SF ea + custodial	550							After hours access
Subtotal			39,840	5		150		107	15.8%	
Subtotal Core Instructional Areas			58,690	6		178		123	23.2%	

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Core Support Areas:										
Administration										
	1	Principal's Office				200				
	5	Assistant Principal Offices	5 AP offices @ 150SF ea			750				
	1	Reception Area				400				
	2	Secretary Area	2 @ 200 SF ea. - desk + files			400				
	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				4,435	0		1.8%	
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		0.8%	
Cafeteria/Commons										
	1	Cafeteria Seating	600 seats @ 12 SF ea - round tables			7,200				2 lunch periods
	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 @ 400 SF ea - after hours use			800				After hours access
	1	Student Store				300				
		Subtotal				12,550	0		5.0%	

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Building Support										
1	Storage & Receiving Room		800							
5	Data/Communication Rooms	(1 MDF & 4 IDF's)	410							
1	Technologists Office/Workroom		300							
1	Outside Equipment Storage		300							
1	Student Gov't Workroom/Stor		400							
1	Media Production Studio	school wide broadcast studio	500							
4	Student Toilets/Custodial Rooms	4 ea @ 200 SF ea = 800 SF x 2 + custodial	1,800							
1	Mechanical Boiler Room		1,400							
1	Chiller Room		850							
7	Electrical MDC/Branch Closets	1 MDC & 6 Elect/Telephone clos.	1,000							
	Corridors/Lockers	Included in building circulation factor	0							
	Subtotal		7,760						3.1%	
	Subtotal Core Support Areas		26,845						10.6%	
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		189,910	88		2,464		2,009	75.2%	
	Building Circulation Factor	33% of program area - corridors, etc	62,670						24.8%	Corridors & lockers
	Total Gross Building Area		252,580							
	Gross Building Capacity	100% utilization		88		2,464				
	Square Foot per Student							126	SF/Student	
	Total Building Utilization						82%			
	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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Current Science Program:										
Science (2010 Graduation Requirements)										
7	Earth Science/Physics Labs	7 @ 1,250 SF ea	8,750	7	28	196	86%	169		
7	Chemistry/Biology Labs	7 @ 1,400 SF ea	9,800	7	24	168	86%	144		
6	Lab Prep Rooms/Storage	6 @ 450 SF ea	2,700							
3	Chemical Storage	3 @ 100 SF ea	300							
1	Teacher Offices w/toilet	14 wkstations @ 75 SF ea + staff toilet	1,100							
Subtotal			22,650	14		364		313	#DIV/0!	
Alternate Science Program:										
Alternate #1 - Science Program										
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		
6	General Classrooms	6 @ 900 SF ea	5,400	6	28	168	71%	119		Shared general CR's
6	Lab Prep Rooms/Storage	6 @ 400 SF ea	2,400							
3	Chemical Storage	3 @ 100 SF ea	300							
1	Teacher Offices w/toilet	16 wkstations @ 75 SF ea + staff toilet	1,250							
Subtotal			22,600	16		428		343		2 added teaching stations
Alternate #2 - Science Program										
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		
4	General Classrooms	4 @ 900 SF ea	3,600	4	28	112	86%	96		
1	Lecture Seminar Room	1 @ 1,800 SF	1,800	1	60	60	71%	43		Seating for 100
6	Lab Prep Rooms/Storage	6 @ 400 SF ea	2,400							
3	Chemical Storage	3 @ 100 SF ea	300							
1	Teacher Offices w/toilet	16 wkstations @ 75 SF ea + staff toilet	1,250							
Subtotal			22,600	15		432		363		
Alternate #3 - Science Program										
4	Earth Science/Physics Labs	4 @ 1,250 SF ea	5,000	4	28	112	86%	96		
4	Chemistry/Biology Labs	4 @ 1,400 SF ea	5,600	4	24	96	86%	83		
6	General Classrooms	4 @ 900 SF ea	5,600	6	28	168	86%	144		
2	Lecture Seminar Room	2 @ 1,500 SF	3,000	2	60	120	71%	85		Seating for 90
4	Lab Prep Rooms/Storage	4 @ 450 SF ea	1,800							
2	Chemical Storage	2 @ 150 SF ea	300							
1	Teacher Offices w/toilet	16 wkstations @ 75 SF ea + staff toilet	1,250							
Subtotal			22,550	16		496		409		

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# of Rms	Room Name/Department	Description	Program Area	Teach Stat.	No of Students	Capacity @ 100%	Utiliz. Factor	Design Capacity	% of GSF	Notes
	Alternate Vocational Programs:									
	Auto Mechanics:									
1	Auto Workbays	3 cars	1,000	1	20	20	57%	11		
1	Lecture/Classroom	Shared w/Vocational Lab	600							Seating for 20
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		