

SPACE PROGRAM MATRIX

Summary: Proposed Building Program

Haddam Killingworth High School

Projected Enrollment: 532

Academic Core Programs						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Academic Core Classrooms	26	800	20,800	28	22,039	
Science: General/Physics	3	1,100	3,300	3	3,222	
Science: Chemistry	2	1,100	2,200	1	1,001	
Science: Biology	2	1,100	2,200	2	2,287	
Science : Greenhouse	1	300	300	1	381	
Science Prep Workrooms	3	300	900	2	1,248	
Teacher Prep Workroom/Copy	4	400	1,600	9	2,724	Existing: "Offices"
Bookroom Closets	4	200	800	1	143	
In-School Suspension Room	1	300	300	-	-	
Seminar Room				1	4,643	Includes both floors
Student Activities Room				1	1,119	
Subtotal	46		32,400	49	38,807	

Special Education Programs						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
			-			
Special Education Resource Rooms	5	500	2,500	6	4,929	May include "Transition", "Life Skills"
Special Education Transition Program 18-22yrs.	1	800	800	-	-	May be included in above
Special Education Life Skills	1	900	900	-	-	May be included in above
OT/PT Room	1	500	500	-	-	May be included in above
Speech and Language Office	1	200	200	1	885	In MS wing: "Guidance/Speech Therapy"
Special Education Testing Office	1	200	200	2	1,770	In MS wing: "Y&F/AP Testing" and "Guidance/AP Testing"
Small Office				1	148	In Sp. Ed. wing
Subtotal	10		5,100	10	7,732	

Physical Education Programs						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
						See District Resource Education Specification/Space Program
Subtotal	-		-	-	-	

Food Services						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Student Dining Area	1	3,200	3,200	1	6,347	Ideal: Based on 3 waves, 17.5 SF per student; Existing: incl. Sr & Jr. areas
Staff Dining Lounge	1	500	500	1	1,808	
Kitchen: Preparation Area	1	1,200	1,200	1	1,230	
Kitchen: Dry Food Storage	1	300	300	1	314	
Kitchen: Cooler/Freezer	1	300	300	1	200	Existing: approximate SF
Kitchen: Dish Washing	1	200	200	1	345	
Restroom/Locker Room	1	120	120	2	161	
Food Services Office	1	100	100	2	154	Existing: includes 53 SF storage closet
Subtotal	8		5,920	10	10,559	

Arts and Music Programs						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Instrumental/Band Room	1	1,100	1,100	1	1,717	
Chorus Room	1	1,100	1,100	1	1,182	
Piano/Guitar Lab	1	500	500	-	-	
Practice Rooms				5	295	
Music Storage	1	300	300	3	200	

Music Library				1	194	
Music Offices				2	265	
Art Room: Ceramics	1	1,100	1,100	1	1,508	Existing: "Pottery" & "Clay" in shop area
Office/Storage				2	237	Part of "Pottery" & "Clay" area
Kiln Room	1	200	200	1	64	
Art Room:Drawing and Painting	1	800	800	1	1,660	
Art Office				1	101	
Photography Studio				1	2,101	Includes Office (88 SF)
Art Room:Dark Room	1	500	500	1	242	
Art Storage	1	200	200	1	139	Existing: part of "Photography Studio"
Subtotal	9		5,800	22	9,905	

Library / Media Center						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Media Center/Reading Area/Circulation	1	3,000	3,000	1	4,678	
Library/Media Specialist Office	1	120	120	1	222	
Periodical/Student Work Area	1	300	300	-	-	
TV Studio	1	800	800	1	938	
Dial Access/Equipment				2	492	Adjacent to "TV Studio"
Workroom/Storage	1	150	150	4	1,064	Existing: includes "Comp.", "Work", "Media", "AV Repair"
Subtotal	5		4,370	9	7,394	

Career and Technical Education						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Application Lab - Wood	1	1,200	1,200	1	2,305	In MS wing
Maintenance Shop				1	1,046	In MS wing: adjacent to "Woodshop Classroom"
Application lab - Auto	1	1,500	1,500	1	3,173	Existing: includes "Office" and "Storage"
Application Lab - Metal	1	1,200	1,200	1	3,439	Existing: includes "Fnsh" and "Storage"
Application Lab - Culinary	1	600	600	1	640	Existing: "Coffee Shop"
Culinary Related Classroom	1	500	500	1	1,325	Existing: "Home Economics"; includes Office (238 SF)
Computer Lab - Engineering	1	800	800	2	2,388	Existing: "Tech. Ed." and "Graphics"; does not incl. "Court" (1,201 SF)
Storage	2	200	400	-	-	Included in areas above
Student Project Storage	2	125	250	-	-	Included in areas above
Robotics				1	712	Per Tech. Ed. Director, will be part of Metal Shop
Subtotal	10		6,450	9	15,028	

Performing Arts Programs						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
						See District Resource Education Specification/Space Program
Subtotal	-		-	-	-	

Administration and Support Services						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Main Office: Reception, Secretarial Area, Storage	1	600	600	1	579	
Principal's Office	1	250	250	1	1,111	Existing: "Admin" area at NW of wing
Assistant Principal's Office	1	200	200	1	1,415	Existing: "Admin" area at NE of wing
Athletic Director's Office	1	200	200	1	1,334	Existing: "Admin" area at SE of wing
Security Office	1	100	100	1	1,447	Existing: "Admin" area at SW of wing
Conference Room	1	300	300	1	685	In MS wing: adjacent to Spec. Ed. areas
Mall/Work/Copy Room	1	200	200	-	-	
Counselor Waiting Area	1	150	150	-	-	
School Counselor Office	4	125	500	1	379	In Sp. Ed. wing
Social Worker Office	1	150	150	-	-	
School Psychologist Office	1	125	125	1	320	In Sp. Ed. wing

College/Career Center	1	400	400	-	-	
Health Suite	1	800	800	-	-	
Bookstore				1	272	
Vault				1	125	

Subtotal

16

3,975

10

7,667

Building Services and Core Area						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Facilities Office	1	100	100	1	197	In MS wing: in BOE office area as "Facilities Manager"
General Building Storage	1	800	800	6	1,173	
Men's Public Toilet Room	3	150	450	12	1,773	
Women's Public Toilet Room	3	150	450	12	1,832	
Boy's Toilet Rooms	4	200	800	-	-	Included in areas above
Girl's Toilet Rooms	4	200	800	-	-	Included in areas above
Staff Toilet Rooms	6	75	450	-	-	Included in areas above
All Inclusive Toilet Room	3	75	225	-	-	
Custodial Office	1	100	100	1	492	Existing: in shop area
Custodial Closets	5	50	250	10	456	
Mechanical & Water Service Room	1	600	600	3	3,148	Existing: incl. "Boiler" (2,950 SF), "Mech. Room" (136 SF); Elev. Mach. (62 SF)
Fire Sprinkler Room	1	300	300	-	-	
Main Electrical Room	1	300	300	1	293	Existing: in shop area
Electrical Closets	2	150	300	7	908	
MDF Room	1	300	300	1	313	Existing: 1 of 2 "IT" Rooms
IDF Room	1	150	150	1	259	Existing: 1 of 2 "IT" Rooms
Deliveries and Receiving	1	300	300	2	893	Existing: includes "Waste" area
Subtotal	39		6,675	57	11,737	

Circulation (Corridors, Stairs, Elevator) & Interior Walls						
Spaces	Qty.	Ideal Room Area (SF)	Ideal Area Subtotal (SF)	Existing Quantity	Existing Area (SF)	Notes:
Circulation (Corridors, Stairs, Elevator)		0.2178	16,850	N/A	35,233	Existing: 1st Floor = 18,044 SF; 2nd Floor = 17,189 SF
Interior Partitions & Chases		0.06	4,642	0.06	6,530	Existing: assumes same factor as "Ideal"
Subtotal			21,492	0	41,763	

Total Building Area	Ideal Area (SF)	Existing Area (SF)
Total Program Areas	70,690	97,092
Total Building Services and Core Area	6,675	11,737
Total Circulation (Corridors, Stairs, Elevator) & Interior Walls	21,492	41,763
Grand Total	98,857	150,592