



Franklin High School
DESE Space Summary Program
November 9, 2011



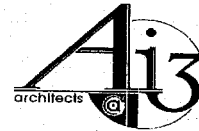
New Franklin High School			EXISTING Franklin 1,650 pupils			PROPOSED Franklin 1,650 pupils			MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)		
	ROOM NFA¹	# OF RMS	area totals	ROOM NFA¹	# OF RMS	area totals	ROOM NFA¹	# OF RMS	area totals		
ROOM TYPE											
CORE ACADEMIC SPACES			69,085			82,770			80,950		
Classroom - General (Subtotal)			52	41,990	58		850	57	48,450		
English - Type 1			765	12	9,180	830	11	8,715			
English - Type 2			1,035	1	1,035						
English - Type 3			1,225	1	1,225						
Foreign Language			770	8	6,160	830	11	8,715			
Math - Type 1			760	12	9,120	830	11	8,715			
Math - Type 2			1,225	1	1,225						
Social Studies - Type 1			765	11	8,415	830	11	8,715			
Social Studies - Type 2			950	1	950						
Social Studies - Type 3			1,225	1	1,225						
Health Classroom			900	3	2,700	830	2	1,660			
Business			755	1	755	see Technology Classrooms					
Franklin Academy of Arts					830	2	1,660				
Common/Computer/Breakout Space											
Project Room (1 per cluster)					950	8	7,600				
Small Group Room					230	2	460				
Senior Seminar (25-30 seats)					830	2	1,660				
Teacher Planning (Subtotal)			3	2,160			100	57	5,700		
Type 1			425	1	425						
Type 2 (Interdisciplinary Area for Specials)			745	1	745	1	1,000	1,000			
Type 3 (Interdisciplinary Area 1 for every 2 clusters)			990	1	990	4	1,200	4,800			
Conference Room (5 locations)					included in SF subtotal above						
Small Group / Team Project Rooms					230	8	1,840				
Small Group Seminar (20-30 seats)					465	4	1,860	500	4	2,000	
Science Classroom/Lab (Subtotal)			17	19,385			1,440	15	21,600		
Type 1			935	5	4,675						
Type 2			1,070	1	1,070						
Type 3			1,160	3	3,480						
Type 4			1,270	8	10,160	1,440	13	18,720			
Student Project / Applied Tech. Lab					1,200	2	2,400				
Student Project / Applied Tech. Lab					900	2	1,800				
Prep Room / Storage Room (Subtotal)			16	2,995			200	15	3,000		
Type 1			105	3	315						
Teacher prep			155	5	775	150	13	1,950			
Type 3			190	2	380						
Type 4			235	5	1,175						
Greenhouse			350	1	350	300	1	300			
Student Project Prep					0	0	0				
Central Chemical Storage Room			115	1	115	200	1	200	200	1	200
Core Academic Storage Rooms (Subtotal)			9	1,150							
Foreign Language			155	1	155						
Math - Type 1			75	1	75						
Math - Type 2			150	2	300						
English			150	1	150						
Social Studies - Type 1			85	2	170						
Social Studies - Type 2			150	2	300						
Teacher Planning Storage Rooms (Subtotal)			3	460	incorporated into teacher planning rooms						
Type 1			50	1	50			0			
Type 2			120	1	120						
Type 3			290	1	290			0			
Core Academic Offices (Subtotal)			6	830	no dept. head offices						
Math			235	1	235						
Science - Type 1			85	1	85						
Science - Type 2			110	1	110						
Foreign Language			85	1	85						
Social Studies			160	1	160						
English			155	1	155						
SPECIAL EDUCATION			25,145			16,145			16,110		
Self-Contained SPED (Subtotal)			11	6,365			950	11	10,450		
Lifeskills - Small Group			290	1	290	300	1	300			
Lifeskills - Classroom			865	1	865	900	1	900			
Lifeskills Toilet Room					60	1	60				
Alt. Learning Program Small Group			175	1	175	0	0	0			
Alt. Learning Program Classroom - Type 1			415	1	415	0	0	0			
Alt. Learning Program Classroom - Type 2			605	1	605						
Alt. Learning Program Classroom - Type 3			730	1	730						
Alt. Learning Program Classroom - Type 4			1,045	1	1,045						
Sub-Separate Program Small Group			490	2	980	150	1	150			
Sub-Separate Program Common Area			565	1	565	200	1	200			
Sub-Separate Program Classroom			695	1	695	410	2	820			
Self-Contained SPED Toilet (Lifeskills)			75	2	150	0	1	0	60	11	660
Resource Room / Learning Lab (Subtotal)			11	8,570			500	5	2,500		
Type 1			615	3	1,845	410	4	1,640			
Type 2			765	5	3,825						
Type 3			900	2	1,800						
Type 4 (Science Lab)			1,100	1	1,100						
Academic Support						1,200	1	1,200			
Small Group Room (Subtotal)			4	1,035			500	5	2,500		
Seminar			300	1	300	included in general use small group					
ELL Classroom (10-12 seats)			160	1	160	410	2	820			
Speech & Language Classroom - Type 1			170	1	170	included in general use small group					
Speech & Language Classroom - Type 2			405	1	405						
General Use Small Group (3-5 seats)						150	2	300			
General Use Small Group (6-8 seats)						375	6	2,250			
SPED Storage Rooms											
Alt. Learning Program Storage Room			175	1	175	175	1	175			
Sub-Separate Program Storage Room			170	1	170	170	1	170			
Resource Storage/Prep Room			130	1	130						
SPED Offices											
Alt. Learning Program Offices			125	2	250	0	2	0			
Sub-Separate Program Office			90	1	90						
Psychologists Main Office/Waiting			360	1	360	150	1	150			
Psychologists Office - Type 1			85	1	85						
Psychologists Office - Type 2			160	1	160	150	2	300			
File Room			50	1	50	50	1	50			
Testing			65	1	65	150	1	150			
Special Ed Office (Administration)			295	1	295	150	1	150			
Reception/Secretary					175	1	175				
Social Worker/Adjustment Counselor					150	2	300				
Conference Room					125	1	125				
Special Ed Office (Teacher Planning)			1,030	1	1,030	50	17	850			
File/Work Room					200	1	200				
Special Ed Conference Room			165	2	330	225	2	450			
MCAS Support					830	1	830				



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New Franklin High School			EXISTING Franklin 1,650 pupils			PROPOSED Franklin 1,650 pupils			MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)		
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals		
Alternative High School	5,835	1	5,835	830	3	2,490					
Alternative High School Common Area				500	1	500					
Alternative High School Conference				200	1	200					
Alternative High School Adjustment Counselor				120	1	120					
Alternative High School Team Chair				120	1	120					
ART & MUSIC			12,780			11,890					8,350
Art Classroom - 25 seats (Subtotal)		5	5,975				1,200	3			3,600
Type 1	460	1	460								
Type 2	975	1	975								
Type 3	1,170	2	2,340	1,200	2	2,400					
Type 4	2,200	1	2,200	1,200	1	1,200					
Art Workshop w/ Storage or Kiln (Subtotal)		3	605				150	3			450
Type 1 (Kiln Room)	125	1	125	100	2	200					
Type 2 (Storage Room)	240	2	480	100	2	200					
Ceramics Classroom				1,200	1	1,200					
Music Classroom (Audio Production)	585	1	585	included in TV Studio							
Band - 50-100 seats	2,350	1	2,350	2,350	1	2,350	1,500	1			1,500
Chorus - 50-100 seats	1,125	1	1,125	1,400	1	1,400	1,500	1			1,500
Ensemble	125	1	125	830	1	830	200	1			200
Music Practice	95	3	285	75	6	450	75	8			600
Drama/Theater Room				1,000	1	1,000					
Music Storage (Subtotal)		6	1,210				500	1			500
Type 1	105	3	315								
Type 2 (Uniform)	145	2	290								
Type 3 (Instrument)	605	1	605								
Band Storage				300	1	300					
Choral Storage				100	1	100					
Art & Music Offices											
Art Office	235	1	235	130	1	130					
Music Office	285	1	285	130	1	130					
VOCATIONS & TECHNOLOGY			12,085			14,388					16,000
Technology Classroom (Subtotal)		10	10,020				1,200	5			6,000
Business Classroom/Lab - Type 1	1,090	1	1,090	1,200	1	1,200					
Business Classroom/Lab - Type 2	1,310	1	1,310	1,400	1	1,400					
Language Lab	1,130	1	1,130	1,200	1	1,200					
Arts Computer Lab	1,310	1	1,310	1,400	1	1,400					
CAD/Arch. Drafting	1,535	1	1,535	1,200	1	1,200					
Video Production / Film Computer Lab	1,515	1	1,515	1,062	1	1,062					
Audio Production Classroom				1,200	1	1,200					
Video Production / Studio	115	1	115	932	1	932					
Video Production / Film Office	465	1	465								
General Computer Lab	775	2	1,550	1,000	2	2,000					
Vocational Shop (Subtotal)		1	1,235				2,000	5			10,000
Nutrition & Child Development	1,235	1	1,235	1,200	1	1,200					
Vocations & Technology Storage Rooms											
Business Storage Room	110	2	220	100	2	200					
Tech Ed. Storage	90	2	180	100	2	200					
Video Production / Film Storage Room	215	1	215								
Family & Consumer Science Storage Room	230	1	115	100	1	100					
Vocations & Technology Offices											
Tech. Ed. Office	100	1	100	100	1	100					
TV Control Room				260	1	260					
TV Editing				180	2	360					
TV Equipment				115	1	115					
Video Editing				136	1	136					
TV Studio Head End Equipment				81	1	81					
Toilet				42	1	42					
TV Office				0	1	0					
HEALTH & PHYSICAL EDUCATION			49,480			36,815					25,440
Gymnasium	5,975	1	5,975	17,649	1	17,649	12,000	1			12,000
Walking Track				6,201	1	6,201					
Field House	27,895	1	27,895								
PE Alternatives (Subtotal)		2	3,710				3,000	1			3,000
Cardio Room	675	1	675								
Weight/Fitness Room	3,035	1	3,035	1,911	1	1,911					
Wrestling Room / Athletics	1,520	1	1,520								
Gym Storeroom				243	2	486	300	1			300
Locker Rooms - Boys/Girls w/ Toilets (Subtotal)		2	8,090	1,440	6	8,640	9,240	1			9,240
Girls Locker Room	3,630	1	3,630								
Boys Locker Room	4,460	1	4,460								
Phys. Ed. Storage (Subtotal)		4	545	440	1	440	500	1			500
Type 1	75	1	75								
Type 2	100	1	100								
Type 3	115	1	115								
Type 4	255	1	255								
Athletic Director's Office	495	1	495	150	1	150	150	1			150
Health Instructor's Office w/ Toilet (Subtotal)		2	620	250	1	250	250	1			250
Type 1	190	1	190								
Type 2	430	1	430								
PE/Health Office	215	1	215	150	2	300					
PE Toilet/Shower				69	2	138					
Athletic Office	280	1	280								
Trainer	500	1	500	250	1	250					
Ticket Booth	25	1	25								
Athletic Storage (Subtotal)		4	1,040								
Type 1	70	2	140								
Type 2	335	1	335								
Type 3	565	1	565								
Athletic Coach's Office w/ Toilet				200	2	400					
MEDIA CENTER			9,495			10,213					10,213
Media Center/Reading Room	8,900	1	8,900	10,213	1	10,213	10,213	1			10,213
Computer Lab	430	1	430								
Teacher Planning	165	1	165								
Café				incorporated into Media Center							
Club Activity Area				incorporated into Senior Seminar							
Presentation Room				see Core Academic Spaces							
AUDITORIUM / DRAMA			7,730			12,300					10,400
Auditorium (850 seats)	5,575	1	5,575	9,400	1	9,400	7,500	1			7,500
Stage (Platform)	670	1	670	2,200	1	2,200	1,600	1			1,600
Auditorium Storage				500	1	500	500	1			500
Make-up/Dressing Rooms							300	2			600
Controls / Lighting / Projection				200	1	200	200	1			200
Drama/Theater Classroom	1,180	1	1,180								
Storage Room	120	1	120								
Office - Type 1	65	1	65								
Office - Type 2	120	1	120								
DINING & FOOD SERVICE			16,815			13,026					13,026
Cafeteria / Student Lounge (including Art Café)	9,405	1	9,405	8,250	1	8,250	8,250	1			8,250
Chair / Table Storage	65	1	65	563	1	563	563	1			563
Scramble Serving Area	1,840	1	1,840	600	1	600	600	1			600



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ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals		
Kitchen (including Dishwash)	4,900	1	4,900	2,950	1	2,950	2,950	1	2,950		
Staff Lunch Room	605	1	605	663	1	663	663	1	663		
MEDICAL			2,250			1,410			1,410		
Medical Suite Toilet	25	2	50	60	1	60	60	1	60		
Nurses' Office/Waiting Room (Subtotal)		3	925	250	1	250	250	1	250		
Waiting Room	175	1	175								
Office	120	1	120								
Cot Area	630	1	630								
Interview Room				100	4	400	100	4	400		
Examination Room	95	2	190	100	7	700	100	7	700		
Storage Room	160	1	160								
ADMINISTRATION & GUIDANCE			5,100			6,559			6,014		
General Office / Waiting Room / Toilet	505	1	505	825	1	825	825	1	825		
Teachers' Mail and Time Room				100	1	100	100	1	100		
Duplicating Room (Teacher Planning Areas)				200	1	200	200	1	200		
Records Room	65	2	130	200	1	200	200	1	200		
Principal's Office	250	1	250	375	1	375	375	1	375		
Conference Room				320	1	320					
Principal's Secretary / Waiting				125	1	125	125	1	125		
Assistant Principal's Office - AP1 (Academic)	165	1	165	150	1	150	150	1	150		
Assistant Principal's Office - AP2 (Student Services)	160	2	320	150	2	300	150	2	300		
Supervisory / Spare Office	70	3	210	120	1	120	120	1	120		
Conference Room	160	1	160	450	1	450	450	1	450		
Guidance Office (Subtotal)		6	840				150	9	1,350		
Type 1	110	5	550	150	7	1,050					
Type 2 (Director)	290	1	290	200	1	200					
Guidance Waiting Room (Reception)	250	1	250	100	1	100	100	1	100		
Guidance Storeroom	125	1	125	100	1	100	100	1	100		
Career Center	280	1	280	563	1	563	563	1	563		
Records / Storage Room	135	1	135	231	1	231	231	1	231		
Teachers' Work Room							825	1	825		
Administration											
Reception Booth	50	1	50								
Assist. Principal Administrative Office	360	2	720	150	2	300					
Main Office Storage Room	90	2	180	90	2	180					
Assistant Principal Storage Room	50	2	100	50	2	100					
Vault	120	1	120	120	1	120					
School Resource Officer	85	1	85	85	1	85					
Guidance											
Conference Room	320	1	320	200	1	200					
Toilets	45	2	90	50	2	100					
Workroom	65	1	65	65	1	65					
CUSTODIAL & MAINTENANCE			12,465			2,863			2,863		
Custodian's Office	300	1	300	150	1	150	150	1	150		
Custodian's Breakroom				0	1	0					
Custodian's Toilet/Shower				0	1	0					
Custodian's Workshop (Facilities)	455	1	455	250	1	250	250	1	250		
Custodian's Storage	475	1	475	375	1	375	375	1	375		
Custodian's Storage/Workshop				0	1	0					
Recycling Room / Trash				400	1	400	400	1	400		
Receiving and General Supply	1,780	1	1,780	563	1	563	563	1	563		
Storeroom				925	1	925	925	1	925		
Network/Telecom Room - Type 1	135	1	135	200	1	200	200	1	200		
Network/Telecom Room - Type 2	360	1	360								
Custodian's Locker Room/Toilet	140	1	140								
Outside Storage	800	1	800								
Facilities Storage	270	1	270								
Facilities Storage	6,355	1	6,355								
IT Workroom & Office	680	1	680	0	1	0					
IT General Storage Room	190	1	190								
IT Equipment Storage Room	525	1	525								
OTHER			835			3,030			0		
Large Group Seminar				1,650	1	1,650					
School Store	285	1	285	300	1	300					
Concession & Ticket (at Gym Lobby)				200	1	200					
Storage Room @ Loading Dock				200	1	200					
IT Work Room & Office				680	1	680					
Yearbook Office	550	1	550	0	1	0					
Total Building Net Floor Area (NFA)			223,265			211,409			190,776		
Proposed Student Capacity			1,650			1,650			1,650		
Total Building Gross Floor Area (GFA)			312,571			306,543			267,300		
Grossing factor (GFA/NFA)			1.40			1.45			1.40		

¹ Individual Room Net Floor Area (NFA)

² Total Building Gross Floor Area (GFA)

Includes the net square footage measured from the inside face of the perimeter walls and includes all specific spaces assigned to a particular program area including such spaces as non-communal toilets and storage rooms.

Includes the entire building gross square footage measured from the outside face of exterior walls.

Architect Certification

I hereby certify that all of the information provided in this "Proposed Space Summary" is true, complete and accurate and, except as agreed to in writing by the Massachusetts School Building Authority, in accordance with the guidelines, rules, regulations and policies of the Massachusetts School Building Authority to the best of my knowledge and belief. A true statement, made under the penalties of perjury.

Name of Architect Firm:

Ai3 Architects, LLC

Name of Principal Architect:

JAMES S. JORDAN, AIA

Signature of Principal Architect:

[Signature]

Date:

11-9-11