

EDUCATIONAL SPECIFICATIONS

Beverly High School

Beverly, Massachusetts

Educational Specification

SUBMITTED BY



Symmes Maini & McKee Associates
Cambridge, Massachusetts

NOVEMBER 13, 2001

SMMA NO. 01042.00

EDUCATIONAL SPECIFICATION

The Educational Specification is the listing of all basic educational and support spaces to be included in the design of a new building or renovation of the existing building, together with their square foot area and quantity. The Beverly School Committee and the Massachusetts Department of Education must approve the Educational Specification—a requisite to state funding of any project.

The classroom and other teaching space sizes of these educational specifications are consistent with those of the Commonwealth of Massachusetts DOE/SBA Program Standards. The Educational Specification Program Standards developed by the DOE/SBA are not intended to limit the ability of a local community to shape its own schools, but rather to ensure that all schools are similarly equipped to provide *equality* of educational opportunity across the state.

The Educational Specification is a translation of the schools' curriculum as defined in the Beverly High School **Program of Studies**. It includes proposed or desired curriculum changes as defined by the school administration. Our program discussions with the school administration helped to shape this educational specification to the specific program needs of the Beverly High School.

This program will be the same for discussions of a new building or renovations of the existing building.

Class size criteria used in the development of this educational specification is:

Honors	24 students
CP – 1	22 students
CP – 2	18 students

Community use – Some community spaces are included within this program because they have a relationship to the curriculum offerings. The School Department has expressed the desire for additional community use spaces. This subject requires further discussion.

BEVERLY HIGH SCHOOL



SPACE NEEDS SUMMARY TABLE

Teaching Station / Space	Total Stations Req'd	Area per Station	Total Net Area	Comments
1 General Classrooms				
1.1 English	11	900	9,900	750 - 850 sf + 30 sf / computer - state allow
1.2 Social Studies	11	900	9,900	750 - 850 sf + 30 sf / computer - state allow
1.3 Math	13	900	11,700	750 - 850 sf + 30 sf / computer - state allow
1.4 Foreign Languages	8	900	7,200	750 - 850 sf + 30 sf / computer - state allow
1.5 Academic Lab	5	900	4,500	750 - 850 sf + 30 sf / computer - state allow
1.6 Special Programs	4	900	3,600	one per grade level?
Total General Classrooms	52		46,800	
2 Specialized Teaching Stations				
2.1 Language Lab	1	1,200	1,200	750 - 850 sf + 30 sf / computer - state allow
Science				
2.2 9th grade Biology	5	1,450	7,250	Incl stor / prep1200 sf state allow + 30 sf / computer - state allow
2.3 Chemistry	2	1,450	2,900	Incl stor / prep1200 sf state allow + 30 sf / computer - state allow
2.4 Physics	2	1,450	2,900	Incl stor / prep1200 sf state allow + 30 sf / computer - state allow
2.5 Environmental Sci.	1	1,200	1,200	
2.6 Engineering Tech	1	1,200	1,200	
2.7 Computer Maintenance	1	1,200	1,200	
2.8 Storage	2	500	1,000	
Visual Art				
2.9 3D w/kiln	1	1,300	1,300	1200-1400 sf state allow
2.10 Drawing / Painting	1	1,300	1,300	1200-1400 sf state allow
2.11 Graphic / Computer	1	1,300	1,300	1200-1400 sf state allow
2.12 Photography Classrm	1	1,200	1,200	1200-1400 sf state allow
2.13 Darkroom	1	600	600	600-1200 spec. area/state allow
2.14 Storage	4	200	800	min 100-200 sf/art rm/state allow
2.15 Drama/Film/Writing/Dance	1	900	900	
Music				
2.16 Band	1	1,500	1,500	1400-1600 sf state allow.

SPACE NEEDS SUMMARY TABLE

Teaching Station / Space		Total Stations	Area per	Total Net	Comments
2.17	Chorus	1	1,200	1,200	900-1200sf state allow
2.18	Practice	10	100	1,000	75-130 sf state allow
2.19	Ensemble	1	200	200	200 sf state allow
2.20	Office	1	100	100	
2.21	Storage	2	200	400	
2.22	Computer Labs	5	1,200	6,000	
2.23	Food Services	1	1,600	1,600	1400-2400 sf state allow
2.24	Business / Marketing	1	900	900	
2.25	M.J.R.O.T.C.	1	900	900	
2.26	M.J.R.O.T.C.Storage	1	200	200	
2.27	Physical Education (Gym)	1	20,000	20,000	
2.28	Weight Room/ P.E.	1	2,500	2,500	
2.29	Dance / Multi Purpose	1	2,500	2,500	
2.30	Wellness & Fitness	2	850	1,700	1 classroom, 1 fitness room
	Special Programs				
2.31	Resource Rooms	2	850	1,700	
2.32	Small Group	3	600	1,800	
2.33	Testing/Speech	1	300	300	
	Other SPED				
2.34	TV Studio	1	1,000	1,000	
2.35	TV Learning Center	1	1,000	1,000	
2.36	Solar Now Classroom	1	1,000	1,000	
	Total Specialized Teaching Stations			73,750	
3	Miscellaneous Educational Space				
3.1	Administration	1	2,000	2,000	
3.2	Guidance	1	2400	2,400	
3.3	Health	1	1000	1,000	
3.31	Health Center	1	1000	1,000	
3.4	Student Support Services	1	900	900	
3.5	Auditorium	1	9,800	9,800	1400 x 7 sf
3.6	Large Group Instruction	1	2,200	2,200	

SPACE NEEDS SUMMARY TABLE

Teaching Station / Space		Total Stations	Area per	Total Net	Comments
3.7	Cafeteria	1	7,000	7,000	15 sf/pupil -no more than 1/2 nor less than 1/3-1,400 x .5 x 15 = 7,000 - 10,500
3.8	Kitchen	1	2,600	2,600	
	Library / Media Center			0	
3.9	Reading Area	1	8,400	8,400	15% enrollment x 40 sf and community use
3.10	Computer Lab	1	950	950	
3.11	Department Offices	6	800	4,800	math, science, english, ss, lang, fine arts
3.12	Teacher Dining	1	800	800	
	Phys Ed Support				
3.13	Lockers	2	3,000	6,000	
3.14	Visiting Lockers	2	300	600	
3.15	Trainer	1	800	800	
3.16	Directors office	1	180	180	
3.17	Storage	1	1,000	1,000	
3.18	Student Store	1	850	850	
	Other				
3.19	Receiving	1	2,000	2,000	incl. custodial office
3.20	Book Storage	4	250	1,000	
3.21	Central Storage	1	1,200	1,200	
Total Miscellaneous Educational Space				57,480	
TOTAL	Educational Net Square Feet			178,030	
	Other Space (corridors, stairs, toilets, mechanical, etc)			69,000	
TOTAL	BUILDING Gross Square Feet			247,030	1.388

SF/Pupil

176

645-5M/S

Table 1 - Basic Educational Space
for Planned Program

ENGLISH

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
ENGLISH										
100, Honors English 9 (F)	75	24	3	5.0	15	40	0.38			Semester / B
101, C.P. 1 English 9 (F)	105	22	5	5.0	25	40	0.63			Semester / B
102, C.P. 2 English 9 (F)	139	18	8	5.0	40	40	1.00			Semester / B
130, Honors English 10	86	24	4	5.0	20	40	0.50			Semester / B
131, C.P. 1 English 10	155	22	7	5.0	35	40	0.88			Semester / B
132, C.P. 2 English 10	109	18	6	5.0	30	40	0.75			Semester / B
140, Honors English 11	98	24	4	5.0	20	40	0.50			Semester / B
141, C.P. 1 English 11	119	22	6	5.0	30	40	0.75			Semester / B
142, C.P. 2 English 11	92	18	5	5.0	25	40	0.63			Semester / B
150/156 AP English 12	74	24	3	7.5	23	40	0.56			-
151, C.P. 1 English 12	171	22	8	5.0	40	40	1.00			Semester / B
152, C.P. 2 English 12	63	18	4	5.0	20	40	0.50			Semester / B
139 MCAS English	7	20	1	2.5	3	40	0.06			Semester
103 Media Production Lab	69	20	4	2.5	10	40	0.25			Semester
109 Creative Writing Lab	71	20	4	2.5	10	40	0.25			Semester
122 Sports Literature	25	20	1	2.5	3	40	0.06			Semester
126 Women and Literature	10	20	1	2.5	3	40	0.06			Semester
134 Verbal SAT Prep 10/11	17	20	1	2.5	3	40	0.06			Semester
154 Verbal SAT Prep 12	8	20	1	2.5	3	40	0.06			Semester

645-5M/S

**Table 1 - Basic Educational Space
for Planned Program**

ENGLISH

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
ENGLISH TOTAL	1,174						8.88			
					8.88	/ .85 =	10.4	English Classrooms		
							ASSUME 11 ENGLISH CLASSROOMS			
							11	900	9,900	
<p>Courses listed as "Semester/B (block)" or "Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.</p>										

645-5M/S

Table 1- Basic educational Space
for Planned Program

MATHEMATICS

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
MATHEMATICS										
320 Honors Algebra 2 (F)	48	24	2	5	10	40	0.25			Semester / B
321 C.P. 1 Algebra 2 (F)	59	22	3	5	15	40	0.38			Semester / B
377 C.P. 1 Algebra 1, Part A (F)	105	22	5	5	25	40	0.63			Semester / B
387 C.P. 1 Algebra 1, Part B (F)	101	22	5	5	25	40	0.63			Semester / B
380 C.P. 2 Algebra 1, Part A (F)	93	18	5	5	25	40	0.63			Semester / B
390 C.P. 2 Algebra 1, Part B (F)	90	20	5	5	25	40	0.63			Semester / B
300 Math 9 (F)	42	20	2	5	10	40	0.25			Semester / B
310 Honors Geometry	57	24	3	5	15	40	0.38			Semester / B
314 C.P. 1 Geometry	110	22	5	5	25	40	0.63			Semester / B
322 C.P. 2 Geometry	151	18	8	5	40	40	1.00			Semester / B
326 C.P. 1 Theoretical Algebra 2	35	22	2	5	10	40	0.25			Semester / B
327 C.P. 1 Concrete Algebra 2	79	22	4	5	20	40	0.50			Semester / B
328 C.P. 2 Concrete Algebra 2	74	18	4	5	20	40	0.50			Semester / B
304 C.P. 2 Algebra 1 (10)	70	18	4	5	20	40	0.50			Semester / B
620 Business/Consumer Mathematics	32	20	2	5	10	40	0.25			Semester / B
301 Math 10	53	20	3	5	15	40	0.38			Semester / B
330 Honors PreCalculus	34	24	2	5	10	40	0.25			Semester / B
352 C.P. 1 Theoretical PreCalculus	78	22	4	5	20	40	0.50			Semester / B

645-5M/S

Table 1- Basic educational Space
for Planned Program

MATHEMATICS

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
345 C.P. 1 Statistics and Probability	40	22	2	2.5	5	40	0.13			Semester
374 C.P. 2 Statistics and Probability	14	18	1	2.5	3	40	0.06			Semester
365 C.P. 1 Projects in Statistics and Physics	24	22	1	5	5	40	0.13			Semester / B
630 Accounting 1	61	20	3	5	15	40	0.38			Semester / B
331 C.P. 1 Interactive Mathematics-3 (IMP3)	-	22	0	0	0	40	0.00			Course Deleted
340/346 Advanced Placement Calculus AB	48	24	2	7.5	15	40	0.38			1 Semester / B 1 Semester
341 C.P. 1 Calculus	35	22	2	5	10	40	0.25			Semester / B
343 C.P. 1 Trigonometry	1	22	0	2.5	0	40	0.00			
376 C.P. 1 Interactive Mathematics 4 (IMP4)	8	22	1	5	5	40	0.13			Semester / B
334/342 Mathematics SAT Prep 12	12	20	1	2.5	3	40	0.06			Semester
375 MCAS Math	14	20	1	2.5	3	40	0.06			Semester
309 Computer Programming	64	20	4	2.5	10	40	0.25			Semester
359 Advanced Computer Programming	10	20	1	2.5	3	40	0.06			Semester
370 C.P. 2 Statistics in Sports	17	18	1	2.5	3	40	0.06			Semester
395 C.P. 2 Trigonometry	34	18	2	3	5	40	0.13			

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Table 1- Basic educational Space
for Planned Program

MATHEMATICS

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
MATHEMATICS TOTAL	1,693						10.56			
					10.56	/ .85 =	12.4	Math classrooms		
							ASSUME 8 MATH CLASSROOMS			
							13	900	11,700	
Courses listed as "Semester / B (block)" or "Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										

645-5M/S

Table 1 - Basic Educational Space
for Planned Program

HISTORY - SOCIAL SCIENCES

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
SOCIAL STUDIES										
215 Honors World History 9(F)	75	24	3	5	15	40	0.38			Semester / B
216 C.P. 1 World History 9 (F)	104	22	5	5	25	40	0.63			Semester / B
217 C.P. 2 World History 9 (F)	144	18	8	5	40	40	1.00			Semester / B
225 Honors World History 10	77	24	4	5	20	40	0.50			Semester /B
226 C.P. 1 World History 10	167	22	8	5	40	40	1.00			Semester /B
227 C.P. 2 World History 10	111	18	6	5	30	40	0.75			Semester /B
230/235 Advanced Placement United States History 11	51	24	2	7.5	15	40	0.38			1 Semester / B 1 Semester
231 C.P. 1 United States History 11	167	22	8	5	40	40	1.00			Semester /B
232 C.P. 2 United States History 11	96	18	6	5	30	40	0.75			Semester /B
218 Interscholastic Debate (Novice)	22	20	1	2.5	2.5	40	0.06			Semester
219 Interscholastic Debate (Advanced)	1	20	0	0	0	40	0.00			Reassign Student / Delete Course
237 Child Psychology	115	20	6	2.5	15	40	0.38			Semester
239 Child Psychology Lab	34	20	2	2.5	5	40	0.13			Semester
222 United States Government	29	20	2	5	10	40	0.25			Semester /B
283 African & Asian History	14	20	1	2.5	2.5	40	0.06			Semester
284 Greek and Roman Civilizations	59	20	3	2.5	7.5	40	0.19			Semester

645-5M/S

Table 1 - Basic Educational Space
for Planned Program

HISTORY - SOCIAL SCIENCES

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
246 World Issues	6	20	1	2.5	2.5	40	0.06			Semester
250 Primary Research through History of Beverly	11	20	1	5	5	40	0.13			Semester /B
234 Legal Systems in America	26	20	2	2.5	5	40	0.13			Semester
236 Sociology	75	20	4	2.5	10	40	0.25			Semester
282 Facing History and Ourselves	129	20	7	2.5	17.5	40	0.44			Semester
245 Honors American Foreign Relations	31	24	2	2.5	5	40	0.13			Semester
280/281 Advanced Placement European History	24	24	1	7.5	7.5	40	0.19			1 Semester / B 1 Semester
242 Psychology	193	20	9	2.5	22.5	40	0.56			Semester
		20			0	40	0.00			
SOCIAL STUDIES TOTAL	1761						9.31			
					9.31	/ .85 =	11.0			
							ASSUME 11 SOCIAL STUDIES CLASSROOMS			
							11.0	900	9,900	
Courses listed as "Semester/B (block)" or "Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										

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Table 1 - Basic Educational Space
for Planned Program

FOREIGN LANGUAGES

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, Ea. Class	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
FOREIGN LANGUAGE										
510 C.P French 1	28	22	2	5	10	40	0.25			Semester / B
509 Honors French 1	0	24	0	0	0	40	0.00			Course deleted
519 Honors French 2	37	24	2	5	10	40	0.25			Semester / B
512 C.P. French 2	50	22	2	5	10	40	0.25			Semester / B
520 C.P. German 1	38	22	2	5	10	40	0.25			Semester / B
560 Honors German 1	0	24	0	0	0	40	0.00			Course deleted
529 Honors German 2	29	24	2	5	10	40	0.25			Semester / B
522 C.P. German 2	40	22	2	5	10	40	0.25			Semester / B
530 C.P Latin 1	20	22	1	5	5	40	0.13			Semester / B
535/536/537 C.P. Russian 1	12	22	1	5	5	40	0.13			Combine with 536, 537
540 C.P. Spanish 1	124	22	6	5	30	40	0.75			Semester / B
550 Honors Spanish 1	2	24	0	0	0	40	0.00			Reassign
548 Honors Spanish 2	28	24	2	5	10	40	0.25			Semester / B
542 C.P. Spanish 2	123	22	6	5	30	40	0.75			Semester / B
514 C.P. French 3	42	22	2	5	10	40	0.25			Semester / B
518 Honors French 3	25	24	1	5	5	40	0.13			Semester / B
524 C.P. German 3	26	22	2	5	10	40	0.25			Semester / B
565 Honors German 3	23	24	1	5	5	40	0.13			Semester / B
531/532 C.P Latin 2	13	22	1	5	5	40	0.13			Combine with 532

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Table 1 - Basic Educational Space
for Planned Program

FOREIGN LANGUAGES

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, Ea. Class	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
536 C.P. Russian 2	0	22	0	0	0	40	0.00			Combine with 535
544 C.P. Spanish 3	65	22	3	5	15	40	0.38			Semester / B
552 Honors Spanish 3	28	24	2	5	10	40	0.25			Semester / B
500 C.P. French 4	29	22	2	2.5	5	40	0.13			Semester
515 Honors French 4	14	24	1	5	5	40	0.13			Semester / B
502 C.P. German 4	12	22	1	2.5	3	40	0.06			Semester
525 Honors German 4	12	24	1	5	5	40	0.13			Semester / B
501 C.P. Spanish 4	21	22	1	2.5	3	40	0.06			Semester
545 Honors Spanish 4	25	24	1	5	5	40	0.13			Semester / B
532 C.P. Latin 3	0	22	0	0	0	40	0.00			Combine with 531
537 C.P. Russian 3	0	22	0	0	0	40	0.00			Combine with 535
570/571 Honors French 5/AP	8	24	1	7.5	8	40	0.19			1 Semester / B 1 Semester
580/581 Honors German 5/AP	11	24	1	7.5	8	40	0.19			1 Semester / B 1 Semester
590/591 Honors Spanish 5/AP	9	24	1	7.5	8	40	0.19			1 Semester / B 1 Semester
538 Honors Russian 4	-	24	-	0	0	40	0.00			Course deleted
569 ESL English	6	22	1	5	5	40	0.13			Semester / B
573 ESL World History	5	22	1	5	5	40	0.13			Semester / B
572 ESL Science	5	22	1	5	5	40	0.13			Semester / B
566 Basic ESL	11	22	1	5	5	40	0.13			Semester / B

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Table 1 - Basic Educational Space
for Planned Program

FOREIGN LANGUAGES

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, Ea. Class	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
567 Intermediate ESL	10	22	1	5	5	40	0.13			Semester / B
568 Advanced ESL	5	22	1	5	5	40	0.13			?
039 ESL Lab	12	22	1	5	5	40	0.13			?
	921						7.06			
					7.06	/ .85 =	8.3			
							ASSUME 8 LANGUAGE CLASSROOMS & 1 LANG LAB			
							8	900	7200	
						Lab	1	1200	1200	
Courses listed as "Semester / B (block) or Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										

645-5MS
Table 1- Basic Educational Space
For Planned Program

SCIENCE

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
SCIENCE										
410 Honors Biology (F)	68	24	3	5	15	40	0.38			
423 C.P. Biology (F)	262	20	12	5	60	40	1.50			
477 C.P. 1 Intro. Biology, (F) Chemistry & Physics	149	20	8	5	40	40	1.00			
478 C.P. 2 Intro. Biology, (F) Chemistry & Physics	149	20	8	5	40	40	1.00			
420 Honors Chemistry	59	24	3	5	15	40	0.38			
427/428 A.P. Biology	16	24	1	7.5	7.5	40	0.19			
430 Honors Physics	36	24	2	5	10	40	0.25			
434/460 A.P. 1 Chemistry	10	22	1	7.5	7.5	40	0.19			
435 C.P. 1 Chemistry	179	22	8	5	40	40	1.00			
365 C.P. 1 Projects in Statistics and Physics	-	22	0	0	0	40	0.00			Listed under Math
400 C.P. 2 Environmental Science	85	18	5	5	25	40	0.63			
451/461 A.P. Physics	28	24	2	7.5	15	40	0.38			
453 C.P. 1 Physics	78	22	4	5	20	40	0.50			
407 C.P. 2 Active Physics	53	18	3	5	15	40	0.38			
485 Honors Engineering-Technology	-	24	0	0	0	40	0.00			Combine with 486
485/486 CP1 Engineering Technology	19	22	1	5	5	40	0.13			Semester /B
487 CP2 Engineering Technology	26	18	2	5	10	40	0.25			Semester /B

645-5MS

**Table 1- Basic Educational Space
For Planned Program**

SCIENCE

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
706 Technical Repairs and Maintenance	22	20	2	2.5	5	40	0.13			Semester
701 Introduction to Computer Assisted Design	42	20	2	2.5	5	40	0.13			Semester
480 Computer Maintenance	110	20	5	5	25	40	0.63			Semester /B
481 Computer Maintenance Lab	30	20	2	2.5	5	40	0.13			Semester
469 Photonics and Solar Energy	15	20	1	2.5	2.5	40	0.06			Semester
429 Technical Studies	2	20	0	0	0	40	0.00			Reassign
449 Anatomy and Physiology	58	20	3	5	15	40	0.38			Semester /B
SCIENCE TOTAL	1496						9.56			
					9.56	/ .85 =	11.3			
NOTE: Alls science courses are to be taught in a lecture / lab except							ASSUME 9 SCIENCE LECTURE / LABS			
One lab each for Bio, Chem. And Physics							ASSUME 3 SCIENCE LABS			
							12.0	1,200	14,400	
Courses listed as "Semester / B (block)" or "Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										

645-5M/S

Table 1 - Basic Educational Space
for Planned Program

FINE ARTS

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
VISUAL ARTS										
642 Art Foundation	345	18	20	2.5	50	40	1.25			Semester
663 Illustration/Design	30	18	2	2.5	5	40	0.13			Semester
667 Architectural/Building Design	33	20	2	2.5	5	40	0.13			Semester
670 Photography	256	18	15	2.5	37.5	40	0.94			Semester
671 Advanced Photography	42	18	3	2.5	7.5	40	0.19			Semester
643 Drawing, Painting & Sculpture	71	18	4	5	20	40	0.50			Semester / B
666 Advanced Drawing and Painting	16	18	1	2.5	2.5	40	0.06			Semester
669 Advanced Clay/Sculpture	13	18	1	2.5	2.5	40	0.06			Semester
679 Studio Art / Portfolio Development	17	20	1	2.5	2.5	40	0.06			Semester
VISUAL ARTS SUBTOTAL	823						3.31			
					3.31	0.85	3.90			
							ASSUME 4 VISUAL ARTS CLASSROOMS			
							4	1,400	5,600	
DRAMA/FILM/WRITING/ DANCE										
657 Intro to Theatre	50	20	2	2.5	5.00	40	0.13			Semester
658 Advanced Theatre	11	20	1	2.5	2.50	40	0.06			Semester
644 Public Speaking	23	20	1	2.5	2.50	40	0.06			Semester
103 Media Production Lab	0	20	0	0	0.00	40	0.00			Listed under English
109 Creative Writing Lab	0	20	0	0	0.00	40	0.00			Listed under English
699 Introduction to Dance and Movement	54	20	3	2.5	7.50	40	0.19			Semester

645-5M/S

Table 1 - Basic Educational Space
for Planned Program

FINE ARTS

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
							0.44			
DRAMA/FILM/WRITING/ DANCE SUBTOTAL					0.44	0.85	0.51			
MUSIC										
680 Band	135	135	1	5	5	40	0.13			
681 Chorale (singers)	181	90	2	5	10	40	0.25			
682 Concertquire	24	24	1	2.5	3	40	0.06			Semester
685 Guitar Class I	40	20	2	2.5	5	40	0.13			Semester
683 Jazz Rock Ensemble	26	24	1	2.5	3	40	0.06			Semester
689 Introduction to Music Theory	21	24	1	2.5	3	40	0.06			Semester
645 Honors Music Theory	11	24	1	2.5	3	40	0.06			Semester
686 Piano/Keyboard	38	24	2	2.5	5	40	0.13			Semester
688 Rock - The Music of Our Time	54	24	2	2.5	5	40	0.13			Semester
690 String Ensemble	12	24	1	2.5	3	40	0.06			Semester
673 Vocal Ensemble	65	24	3	2.5	8	40	0.19			Semester
MUSIC SUBTOTAL							1.25			
Courses listed as "Semester / B (block)" or "Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										

645-5M/S

Table 1-Basic Educational Space
for Planned Program

PATHWAYS, SERVICES

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
FOOD SERVICES										
722 Into to Culinary Arts	225	22	10	2.5	25	40	0.63			Semester
714 Food Service	82	22	4	2.5	10	40	0.25			Semester
							0.88			
FOOD SERVICES SUBTOTAL	307				0.88	.85	1.03			
							ASSUME			
							1	1300	1300	
M.J.R.O.T.C.										
092 M.J.R.O.T.C. Leadership I	41	24	2	2.5	5	40	0.13			Semester
093 M.J.R.O.T.C. Leadership II	31	24	2	5	10	40	0.25			Semester /B
094 M.J.R.O.T.C. Leadership III	8	24	1	5	5	40	0.13			Semester /B
M.J.R.O.T.C. SUBTOTAL							0.50			
					0.50	/ 0.85	0.59			
UNIQUE COURSES										
612 Keyboarding Skills	85	22	4	2.5	10	40	0.25			Semester
007 Computer Lab 9	354		18	2.5	45	40	1.13			Semester
161 Reading	1		0		0	40	0.00			
480 Computer Maintenance	0		0	0	0	40	0.00			Listed under Science
481 Computer Maintenance Lab	0		0	0	0	40	0.00			Listed under Science
106 Intro to Community Service	55				0	40	0.00			

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Table 1-Basic Educational Space
for Planned Program

PATHWAYS, SERVICES

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
632 Business Prep	39	20	2	5	10	40	0.25			Semester /B
805 Life 9/10					0	40	0.00			moved to wellness & fitness
806 Life 11/12					0	40	0.00			moved to wellness & fitness
601 Fundamentals of Banking	32	20	2	2.5	5	40	0.13			Semester
603 Fundamentals of Banking Lab	14	20	1	1.25	1.25	40	0.03			
608 Marketing	83	20	4	5	20	40	0.50			Semester /B
615 Advanced Marketing	0	0	0	-		40	0.00			Course deleted
091 School to Career	52	20	3	5	15	40	0.38			Semester
098 School to Career Internship	67	20	4	10	40	40	1.00			(2) Semester/B
095/697 Dual Enrollment	12				0	40	0.00			?
Courses listed as "Semester / B (block)" or Semester are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										

645-5M/S

**Table 1 - Basic Educational Space
for Planned Program**

SPECIAL PROGRAMS

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
030 Academic Lab	900	24	37	5	185	40	4.63			"study hall"
095 / 097 Dual Enrollment	12	-	0	0	0	40	0.00			off campus
811 CP English 9	5	15	1	5	5	40	0.13			
821 Math 9	5	15	1	5	5	40	0.13			
842 CP World History 9	5	15	1	5	5	40	0.13			
838 Academic Lab	18	18	1	2.5	2.5	40	0.06			
812 CP English 10	15	15	1	5	5	40	0.13			
822 Math 10	14	15	1	5	5	40	0.13			
844 CP World History 10	16	16	1	5	5	40	0.13			
826 CP2 Algebra 1	17	17	1	5	5	40	0.13			???
815 CP English 11	10	15	1	5	5	40	0.13			
826 CP English 12	9	15	1	5	5	40	0.13			
831 CP Intro to Science	21	21	1	5	5	40	0.13			

645-5M/S

**Table 1 - Basic Educational Space
for Planned Program**

SPECIAL PROGRAMS

832 CP Biology	22	22	1	5	5	40	0.13			
837 Computer Tech	6	6	1	5	5	40	0.13			
839 Art Foundation 2D	33	20	2	5	10	40	0.25			
848 Intro to Wellness / Fitness	4					40	0.00			See 905
849 PE 9 / 10	2					40	0.00			See 908
875 Language Arts	15	15	1	2.5	2.5	40	0.06			
876 Math	14	15	1	2.5	2.5	40	0.06			
877 Shop	17	15	1	2.5	2.5	40	0.06			
879 Life Skills	16	15	1	2.5	2.5	40	0.06			
882 Current Events	31	15	2	2.5	5	40	0.13			
889 Technical Studies	25	15	2	2.5	5	40	0.13			
894 Reading	58	15	4	2.5	10	40	0.25			
897 Pre Career	34	15	3	2.5	7.5	40	0.19			
898 Phys. Ed.	29	15	2	2.5	5	40	0.13			
907 Coop Adventure	199	22	9	2.5	22.5	40	0.56			
913 Independent	3	0	0	2.5	0	40	0.00			
							8.06			
SUBTOTAL					8.06	0.85	9.49			

645-5M/S

Table 1 - Basic Educational Space
for Planned Program

SPECIAL PROGRAMS

Courses listed as "Semester / B (Block)" or "Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										
Courses taught in gym or classroom. Provide 1 Health classroom								900	0	

645-5M/S

Table 1-Basic Educational Space
for planned Program

WELLNESS

A	B	C	D	E	F	G	H	J	K	
Subject	Projected Students, per Subject	Class Size	Sections	Sessions Per Week	Total Sessions	Periods Per Week	Total Stations Required	Sq. Ft. Each Station	Total Area Required	Comments
Wellness										
905 Introduction to Wellness & Fitness	435	20	22	2.5	55	40	1.38			Semester, classroom & Gym
906 Introduction to Fitness					0	40	0.00			Combined with 905
907 Cooperative Adventures	199	20	10	2.5	25	40	0.63			Semester /B
908 Life Issues	278	20	13	2.5	32.5	40	0.81			Semester /B, classroom
909 Lifetime Sports & Activities	52	24	2	2.5	5	40	0.13			Semester /B, field house
911 Team Sports	126	24	6	2.5	15	40	0.38			Semester /B, field house
912 CPR & First Aid	135	22	6	2.5	15	40	0.38			Semester /B
	1225						3.69			
HEALTH SUBTOTAL					3.69	0.85	4.34			
Courses listed as "Semester / B (Block)" or "Semester" are adjusted to Full Time Equivalent (FTE). This is done by reducing "sessions per week" by half to give an equivalent year classroom requirement.										
Courses taught in gym or classroom. Provide 1 Health classroom										
							1	900	900	