

**WAYLAND HIGH SCHOOL  
PROGRAM OF SPACE NEEDS**

Dore and Whittier Architects

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rev 20 Sept 02

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**PROGRAM SUMMARY**

**DESIGN GOAL:**

1200 Students

**CAPACITY AT MIN SF/STUDENT**

1212 Students at 85% Utilization

**NO. TEACHING STATIONS**

Core

**PROPOSED**

**CURRENT**

**Number Computer Labs**

2 plus library

Interchangable

61 sizes vary

1

Gymnasium Size

15,000 sf

sized per state standards with seating

Science

9 sizes vary

1

No Bleacher Seats

1500

1.25 student body

70

2

Specials

Basic

12.5

7

School Auditorium Size

4000 sf

Spl Ed/ Alt Ed

1

0

Expansion: Community Use

3500 sf

13.5

7

No Seats, School

400

No Seats, Community

350

Cafeteria Size

9000 sf

**TEACHING SPACE RATIOS**

Core

90%

22%

Specials

10%

78%

Number of Servings

2

**SQUARE FOOT PER STUDENT (Basic, Misc, Other)**

155.0 sf

#### sf

**Community Spaces**

Cafeteria Storage

200 sf

Auditorium Storage

200 sf

Art Room Storage

200 sf

Gymnasium Storage

400

1,000 sf

**STATE MAX SF PER STUDENT**

155 sf

**PROJECTED GROSS SQUARE FOOTAGE**

221,620 sf includes exceptions

X

**EXISTING BUILDING SIZE**

0 sf

**Total**

1,400 sf

**Existing**

**Proposed Future Needs**

**State**

**Notes**

number of students

0

grades 9 thru 12

number of students

1200

grades 9 thru 12

Standards

Min

Max

Basic Education - Items 1 thru 11

Quantity

Size

Area

Subtotl

Teaching Stations

SF/ Student

No. Students per Room

Capacity Min SF/ Student

Quantity

Size

Area

Subtotl

Teaching Stations

SF/ Student

No. Students per Room

Total Capacity

**BASIC INSTRUCTIONAL SPACE**

**CORE**

1 thru 3 Classrooms Room Nos

Classroom

1 @

0 sf =

0 sf

1

28.33

0

0

Cluster 1

Small/ Seminar

4 @

400 sf =

1600 sf

4

40

10

40

300

500

Classroom

11 @

750 sf =

8250 sf

11

37.5

20

220

750

850

Breakout Space

1 @

900 sf =

900 sf

Cluster 2

Small/ Seminar

4 @

400 sf =

1600 sf

4

40

10

40

300

500

Classroom

11 @

750 sf =

8250 sf

11

37.5

20

220

750

850

Breakout Space

1 @

900 sf =

900 sf

Cluster 3

Small/ Seminar

4 @

400 sf =

1600 sf

4

40

10

40

300

500

Classroom

10 @

750 sf =

7500 sf

38

37.5

20

200

750

850

Breakout Space

1 @

900 sf =

900 sf

Cluster 4

Small/ Seminar

4 @

400 sf =

1600 sf

4

40

10

40

300

500

Classroom

10 @

750 sf =

7500 sf

38

37.5

20

200

750

850

Breakout Space

1 @

900 sf =

900 sf

Language Lab

1 @

900 sf =

900 sf

Distance Learning/Presentation Center

1 @

1500 sf =

1500 sf

0 sf

43900 sf

**Science**

Science Classroom

1 @

0 sf =

0 sf

1

41.6

0

0

Lab/Classroom (multi-use)

9 @

1200 sf =

10800 sf

9

60

20

180

1000

1200

Prep/ Stor

5 @

200 sf =

1000 sf

Storage

1 @

250 sf =

250 sf

0 sf

12050 sf

**SUBTOTAL, CORE TEACHING STATIONS/ STUDENT COUNT**

2

0

123

1180

**SPECIALS**

**Business**

Business Classroom

1 @

0 sf =

0 sf

1

46

0

0

1 @

1200 sf =

1200 sf

1

60

20

20

1200

1400

0 sf

1200 sf

**Health**

1 @

0 sf =

0 sf

1

40

0

0

1 @

825 sf =

815 sf

1

40

21

20.375

750

850

0 sf

815

Basic Education - Items 1 thru 11	number of students						number of students						Standards					
	grades 9 thru 12						grades 9 thru 12						Min	Max				
	Quantity	Size	Area	Subtotl	Teaching Stations	SF/ Student	No. Students per Room	Capacity Min SF/ Student	Quantity	Size	Area	Subtotl	Teaching Stations	SF/ Student	No. Students per Room	Total Capacity		
	Student Useable	1 @	0 sf	=	0 sf				1 @	7200 sf	=	7200 sf					40sf X 15% student enrollment	
	Computer Stations								in above									
	Non-Student Useable								1 @	1250 sf	=	1250 sf						
	Clerk	1 @	0 sf	=	0 sf				in above									
	Conference Rm	1 @	0 sf	=	0 sf				in above									
	Librarian	1 @	0 sf	=	0 sf				in above									
	Storage	1 @	0 sf	=	0 sf				in above									
	AV Room	1 @	0 sf	=	0 sf				in above									
					0 sf							8450 sf						
8	<b>Gymnasium</b>																	
	Gym	1 @	0 sf	=	0 sf		0	50										
	Gymnasium								1 @	7500 sf	=	7500 sf	2		50	6200	7500	10' safety zone at end court
	Weight Room	1 @	0 sf	=	0 sf				1 @	1200 sf	=	1200 sf						
	Wrestling/ All Purpose	1 @	0 sf	=	0 sf				1 @	2000 sf	=	2000 sf	1		25	1200	3500	aerobics also
					0 sf							10700 sf						
	<b>SUBTOTAL, 'SPECIALS' TEACHING STATIONS/ STUDENT COUNT</b>						7	50					13		246			
	(not incl Spl Ed or Alt Ed)																	
	<b>SUBTOTAL, NET BASIC INSTRUCTIONAL NEEDS</b>				0 sf							88655 sf						
	<b>MISCELLANEOUS EDUCATIONAL SPACES</b>																	
1	<b>Cafeteria</b>																	
	Cafeteria	1 @	0 sf	=	0 sf				1 @	9000 sf	=	9000 sf						2 servings: 15 sf/ student
					0 sf							9000 sf						
2	<b>Cafetorium</b>																	
4	<b>Nurse</b>																	
	Wait								1 @	100 sf	=	100 sf						
	Office	1 @	0 sf	=	0 sf				1 @	100 sf	=	100 sf						
	Exam	1 @	0 sf	=	0 sf				1 @	100 sf	=	100 sf						
	Rest	2 @	50 sf	=	100 sf				2 @	50 sf	=	100 sf						
	Stor	1 @	50 sf	=	50 sf				1 @	50 sf	=	50 sf						
	Toilet	1 @	0 sf	=	0 sf				1 @	50 sf	=	50 sf						
					0 sf							500 sf			500	1000		
5	<b>Kitchen</b>																	
	Kitchen	1 @	0 sf	=	0 sf				1 @	3600 sf	=	3600 sf						
	Dish Washing	1 @	0 sf	=	0 sf				in above									4sf per student
	Freezer / Cooler	1 @	0 sf	=	0 sf				in above									
	Dry Storage	1 @	0 sf	=	0 sf				in above									
	Office	1 @	0 sf	=	0 sf				in above									
	Office	1 @	0 sf	=	0 sf				in above									
	Toilet	1 @	0 sf	=	0 sf				in above									
					0 sf							3600 sf						
6	<b>Admin.</b>																	
	Principal	1 @	0 sf	=	0 sf				1 @	150 sf	=	150 sf						
	Asst Princ.	1 @	0 sf	=	0 sf				2 @	120 sf	=	240 sf						
	Secretary	1 @	0 sf	=	0 sf				1 @	100 sf	=	100 sf						
	Gen Off	1 @	0 sf	=	0 sf				1 @	300 sf	=	300 sf						3 staff; files
	Work/ Process	1 @	0 sf	=	0 sf				1 @	200 sf	=	200 sf						
	Storage	1 @	0 sf	=	0 sf				1 @	150 sf	=	150 sf						
	In-School Suspension	1 @	0 sf	=	0 sf				1 @	300 sf	=	300 sf						
	Athletic Director	1 @	0 sf	=	0 sf				1 @	150 sf	=	150 sf						
	Technology Coordinator	1 @	0 sf	=	0 sf				1 @	120 sf	=	120 sf						
	Toilet	2 @	50 sf	=	100 sf				2 @	50 sf	=	100 sf						
	Waiting	1 @	0 sf	=	0 sf				1 @	300 sf	=	300 sf						
	Conference: 8 seats								Share w/ Guidance									corridor access/ suite access
	Large Conference: 20 Seats								1 @	400 sf	=	400 sf						corridor access/ suite access
					0 sf							2510 sf				1500		
7	<b>Planning / Faculty</b>																	
	Lounge	1 @	0 sf	=	0 sf				1 @	400 sf	=	400 sf						
	Toilets	2 @	0 sf	=	0 sf				2 @	50 sf	=	100 sf						
	Cluster Planning Centers																	
	Teacher Study Workstations								80 @	50 sf	=	4000 sf						
	Work/ Process								5 @	200 sf	=	1000 sf						
	Conference								5 @	200 sf	=	1000 sf						
	Counter/ Sink/ Refrig								5 @	50 sf	=	250 sf						
	Toilets	2 @	0 sf	=	0 sf				4 @	50 sf	=	200 sf						
					0 sf							6950 sf						
8	<b>Teacher's Dining Room</b>																	
	Faculty Dining	1 @	0 sf	=	0 sf				1 @	600 sf	=	600 sf						100 faculty, 2 servings
					0 sf							600 sf						
9	<b>Auditorium</b>																	
	Auditorium 400 seats	1 @	0 sf	=	0 sf				1 @	4000 sf	=	4000 sf						see below for add'l seating
	Stage	1 @	0 sf	=	0 sf				1 @	1400 sf	=	1400 sf						
	Control Room								1 @	250 sf	=	250 sf						
	Storage	1 @	0 sf	=	0 sf				1 @	400 sf	=	400 sf						
					0 sf							6050 sf						
10	<b>Gymnasium - Locker Rooms</b>																	
	Boys Lockers																	
	Locker Rm (Boys)	1 @	0 sf	=	0 sf				1 @	1750 sf	=	1750 sf						
	Girls Lockers																	
	Locker Rm (Girls)	1 @	0 sf	=	0 sf				1 @	1750 sf	=	1750 sf						
	Team Rooms																	
	Team Room	1 @	0 sf	=	0 sf				2 @	1750 sf	=	3500 sf						
	Instructors/ Coaches																	
	Coaches w/ Toilets	1 @	0 sf	=	0 sf				2 @	250 sf	=	500 sf						
	Support																	
	Trainer	1 @	0 sf	=	0 sf				1 @	200 sf	=	200 sf						
	Laundry								1 @	100 sf	=	100 sf						
	Storage																	
	Phys Ed Storage								1 @	500 sf	=	500 sf						
	Athletics Storage								1 @	750 sf	=	750 sf						
	Mat Storage								1 @	100 sf	=	100 sf						
	Chair Storage								1 @	200 sf	=	200 sf						
					0 sf							9350 sf						
	<b>SUBTOTAL, NET MISCELLANEOUS EDUCATIONAL</b>				0 sf							38560 sf						
	<b>OTHER SPACES</b>																	
	<b>Services</b>																	
	Storage	1 @	0 sf	=	0 sf				1 @	500 sf	=	500 sf						
	Book Storage								1 @	400 sf	=	400 sf						
	Classroom Storage								123 @	25 sf	=	3075 sf						
	Outdoor Storage								1 @	500 sf	=	500 sf						
					0 sf							4475 sf						
	<b>Services / Maintenance</b>																	
	Receiving / Storage	1 @	0 sf															

Basic Education - Items 1 thru 11	number of students				0	number of students				1200	Standards							
	Quantity	Size	Area	Subtotl		Teaching Stations	SF/ Student	No. Students per Room	Capacity Min SF/ Student		Quantity	Size	Area	Subtotl	Teaching Stations	SF/ Student	No. Students per Room	Total Capacity
<b>NET SPACE SUMMARY</b>																		
<b>BASIC INSTRUCTIONAL SPACES</b>																		
0 sf																		
<b>MISCELLANEOUS EDUCATIONAL SPACES</b>																		
0 sf																		
<b>OTHER SPACES</b>																		
0 sf																		
<b>TOTAL NET SQUARE FOOTAGE</b>																		
0 sf																		
<b>NET SF PER STUDENT</b>																		
#DIV/0! sf																		
<b>THEORETICAL GROSS SF PER STUDENT @1.4 MARKUP</b>																		
#DIV/0! sf																		
<b>SPACE ALLOWANCE EXCEPTIONS</b>																		
9	<b>Special Education</b>																	
	Low Incidence Room	1 @	0 sf	=	0 sf					0 @	1000 sf	=	0 sf					1
	Toilet/Shower/Changing									0 @	100 sf	=	0 sf					
	Resource Room									3 @	500 sf	=	1500 sf					0
	Sp Ed Conference Room	1 @	0 sf	=	0 sf					see Administration								
																		1500 sf
3	<b>Guidance Office Suite</b>																	
	Lib/ Wait	1 @	0 sf	=	0 sf					1 @	400 sf	=	400 sf					
	Secretary									1 @	100 sf	=	100 sf					
	Conference: 8 seats									1 @	200 sf	=	200 sf					
	Office	1 @	0 sf	=	0 sf					4 @	120 sf	=	480 sf					
	Storage	1 @	0 sf	=	0 sf					1 @	200 sf	=	200 sf					
	Career Center									1 @	400 sf	=	400 sf					
	Office									1 @	150 sf	=	150 sf					
																		0 sf
																		1380 sf
6	<b>Computer</b>																	
	Classroom Computers, 5 per Ro	1 @	0 sf	=	0 sf					82 @	150 sf	=	12225 sf					
	Labs	1 @	0 sf	=	0 sf					2 @	750 sf	=	1500 sf					0
	Head End Room	1 @	0 sf	=	0 sf					1 @	200 sf	=	200 sf					
	Hub Rooms	1 @	0 sf	=	0 sf					3 @	35 sf	=	105 sf					
																		0 sf
																		14030 sf
15	<b>Community Use Space</b>																	
	Auditorium 350 Add'l Seats	1 @	0 sf	=	0 sf					1 @	3500 sf	=	3500 sf					
	Increased Stage	1 @	0 sf	=	0 sf					1 @	1000 sf	=	1000 sf					7000
	Auditorium Storage	1 @	0 sf	=	0 sf					1 @	200 sf	=	200 sf					
	Art Room Storage									1 @	200 sf	=	200 sf					
	Cafeteria Storage									1 @	200 sf	=	200 sf					
	Gymnasium Seating for 1.25 Times Student Body									1 @	7500 sf	=	7500 sf					5 sf/ seat, width of court
	Gymnasium Storage	1 @	0 sf	=	0 sf					1 @	400 sf	=	400 sf					
																		0 sf
																		8500 sf
10	<b>Remedial</b>																	
11	<b>Collaborative</b>																	
<b>SUBTOTAL, SPACE ALLOWANCE EXCEPTIONS</b>																		
25410 sf																		
<b>NON- HIGH SCHOOL USES</b>																		
0 @ 0 sf = 0 sf																		
<b>SUBTOTAL, NON- HIGH SCHOOL USES</b>																		
0 sf																		
<b>SUBTOTAL, 'SPECIALS' TEACHING STATIONS&amp; STUDENT COUNT</b>																		
0 0 1 0																		
<b>CORE TEACHING STATIONS: TOTAL, PERCENTAGE</b>																		
2 22%																		
<b>'SPECIALS' TEACHING STATIONS: TOTAL ABOVE</b>																		
7																		
<b>SPL ED/ ALT ED TEACH STATIONS</b>																		
0.0																		
<b>'SPECIALS': TOTAL AND PERCENTAGE</b>																		
7.0 78%																		
<b>STUDENT COUNT</b>																		
<b>CORE</b>																		
0																		
<b>SPECIALS</b>																		
50																		
<b>SPL ED/ ALT ED STUDENT COUNT</b>																		
0																		
<b>SUBTOTAL</b>																		
50																		
<b>UTILIZATION FACTOR</b>																		
85%																		
<b>STUDENT CAPACITY</b>																		
42.5																		
<b>EXIST GROSS BLDG SIZE</b>																		
0 sf																		
<b>EXIST GROSS BLDG SIZE</b>																		
0 sf																		
<b>EXIST GROSS BLDG SIZE (Total)</b>																		
0 sf																		
<b>TOTAL BUILDING ACTUAL GROSS SF PER STUDENT</b>																		
#DIV/0! sf																		
<b>TOTAL GROSS SF PROJECTION</b>																		
<b>TOTAL NET SF, BASIC, MISC, OTHER</b>																		
132,890 sf																		
<b>TOTAL NET SF, SPACE ALLOWANCE EXCEPTIONS</b>																		
25,410 sf																		
<b>TOTAL NET, NON- HIGH SCHOOL USES</b>																		
0 sf																		
<b>TOTAL NET</b>																		
158,300 sf																		
<b>GROSS SF PROJECTION, AT 1.4 NET</b>																		
221,620 sf																		