

**WAYLAND HIGH SCHOOL
PROGRAM OF SPACE NEEDS**

Dore and Whittier Architects

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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

Science

9 sizes vary

1

Gymnasium Size

15,000 sf

sized per state standards with seating

70

2

No Bleacher Seats

1500

1.25 student body

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

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 sf

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	Gymnasium																	
	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						
	SUBTOTAL, 'SPECIALS' TEACHING STATIONS/ STUDENT COUNT						7	50					13		246			
	(not incl Spl Ed or Alt Ed)																	
	SUBTOTAL, NET BASIC INSTRUCTIONAL NEEDS				0 sf							88655 sf						
	MISCELLANEOUS EDUCATIONAL SPACES																	
1	Cafeteria																	
	Cafeteria	1 @	0 sf	=	0 sf				1 @	9000 sf	=	9000 sf						2 servings: 15 sf/ student
					0 sf							9000 sf						
2	Cafetorium																	
4	Nurse																	
	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	Kitchen																	
	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	Admin.																	
	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 @	300 sf	=	300 sf						
	Athletic Director								1 @	150 sf	=	150 sf						
	Technology Coordinator								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	Planning / Faculty																	
	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	Teacher's Dining Room																	
	Faculty Dining	1 @	0 sf	=	0 sf				1 @	600 sf	=	600 sf						100 faculty, 2 servings
					0 sf							600 sf						
9	Auditorium																	
	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	Gymnasium - Locker Rooms																	
	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						
	SUBTOTAL, NET MISCELLANEOUS EDUCATIONAL				0 sf							38560 sf						
	OTHER SPACES																	
	Services																	
	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						
	Services / Maintenance																	
	Receiving / Storage	1 @	0 sf	=	0 sf				1 @	500 sf	=	500 sf						

