

HANDOUT 9 – HIGH SCHOOLS SUMMARY TABLES OF RECOMMENDED PERSONNEL, NON PERSONNEL, TECHNOLOGY SPECIFICATIONS

High School Characteristics

Sample School	High School #1: (1000 students – grades 9-12)	High School #2: (400 students – grades 9-12)
Total Enrollment	1000	400
Enrollment Per Grade	250	100
At-Risk Students (60%)	600	240
ELL Students (9%)	90	36
Gifted/Talented Students (5%)	50	20
Special Education Students – Level 1*	62	25
Special Education Students – Level 2*	55	22
Special Education Students – Level 3*	20	8
Special Education Students – Level 4*	35	14

*Assumes 17% of enrolled students in DCPS and public charter schools are Special Education students

Source: District of Columbia Superintendent of Education, “FY13 LEA and School Level Enrollment Audit Reports.” Office of the State Superintendent of Education, <http://osse.dc.gov/publication/fy13-lea-and-school-level-enrollment-audit-reports>.

Summary of Recommended Personnel Specifications – High School

	Base Personnel	At-Risk Personnel	ELL Personnel	Gifted Personnel	Special Education Personnel	Total Personnel
High School #1: 1000 Students						
Teachers	53.3	12.4	4.7	0.5	13.2	84.1
Intervention Teachers		6.0				6.0
Adaptive PE Teacher					1.0	1.0
Librarians/Media Specialists	1.0					1.0
Technology Specialists	1.0					1.0
Instructional Aides			0.6		4.4	5.0
Media Aide	1.0					1.0
Substitutes	10 days/ teacher					
Subtotal: Instructional Staff	56.3	18.4	5.3	0.5	18.6	99.1
Student Support Staff		6.0	0.9			6.9
- Counselors	5.0					5.0

	Base Personnel	At-Risk Personnel	ELL Personnel	Gifted Personnel	Special Education Personnel	Total Personnel
- Nurses	1.0					1.0
- Psychologist					1.4	1.4
- Social Worker/Behavior Therapist	2.0				1.4	3.4
- Speech, Occupational and Physical Therapists	2.0				2.2	4.2
Subtotal: Student Support Staff	10.0	6.0	0.9		5.0	21.9
Principal	1.0					1.0
Assistant Administrator	2.0					2.0
Dean	2.0					2.0
Special Education Coordinator					1.0	1.0
ELL Coordinator			0.2			0.2
Department Chair	2.0					2.0
Instructional Facilitator					1.1	1.1
Office Manager	1.0					1.0
Business Manager	1.0					1.0
Data Manager	1.0					1.0
Registrar/Attendance	1.0					1.0
Clerical/Data Entry	4.0					4.0
In-school Suspension	2.0					2.0
Subtotal: Administrative Staff	17.0		0.2		2.1	19.3
IT Manager	1.0					1.0
Security	6.0	2.0				8.0
Subtotal: Other Staff	7.0	2.0				9.0
Total Staff	89.3	26.4	6.4	0.5	25.7	148.3
Students per Instructional Staff						10.1:1
Students per Total Staff						6.7:1
High School #2: 400 Students						
Teachers	21.3	5.0	2.0	0.2	5.3	33.8
Intervention Teachers		2.4				2.4
Adaptive PE					0.5	0.5
Librarians/Media Specialists	1.0					1.0
Technology Specialists	1.0					1.0
Instructional Aides			0.2		1.8	2.0
Substitutes	10 days/teacher					
Subtotal: Instructional Staff	23.3	7.4	2.2	0.2	7.6	40.7

	Base Personnel	At-Risk Personnel	ELL Personnel	Gifted Personnel	Special Education Personnel	Total Personnel
Student Support Staff		2.4	0.4			2.8
- Counselors	2.0					2.0
- Nurses	1.0					1.0
- Psychologist					0.6	0.6
- Social Worker/Behavior Therapist	0.3				0.6	0.9
- Speech, Occupational and Physical Therapists					0.9	0.9
- Transition Specialist					2.0	2.0
Subtotal: Student Support Staff	3.3	2.4	0.4		4.1	10.2
Principal	1.0					1.0
Assistant Administrator	1.0					1.0
Dean	1.0					1.0
Special Education Coordinator					0.5	0.5
ELL Coordinator			0.1			0.1
Department Chair	2.0					2.0
Instructional Facilitator					0.4	0.4
Office Manager	0.5					0.5
Business Manager	0.5					0.5
Data Manager	0.5					0.5
Registrar/Attendance	0.5					0.5
Clerical/Data Entry	2.0					2.0
In-school Suspension	1.0					1.0
Subtotal: Administrative Staff	10.0		0.1		0.9	11.0
IT Manager	1.0					1.0
Security	3.0	1.0				4.0
Subtotal: Other Staff	4.0	1.0				5.0
Total Staff	41.8	9.8	2.6	0.2	12.6	67.0
Students per Instructional Staff						9.8:1
Students per Total Staff						6.0:1

Source: Professional Judgment Panel deliberations. Evidence base: Michael E. Goetz, Allen R. Odden, and Lawrence O. Picus, "Using Available Evidence to Estimate the Cost of Educational Adequacy," Education Finance and Policy v3 n3 (2008): 374-397. The recommendations are derived from both the Professional Judgment panel specifications and the evidence base.

Recommended High School Non-Personnel Resources

	High School #1: 1000 Students	High School #2: 400 Students
Additional Resources		
Professional Development	13 days/per teacher \$100/ student	13 days/per teacher \$100/ student
Supplies & Materials	\$225/ student	\$225/ student
Textbooks	\$125/ student	\$125/ student
Equipment	\$50/ student	\$50/ student
Technology Licensing	\$30/ student	\$30/ student
Student Activities	\$500/ student	\$500/ student

Source: Professional Judgment Panel deliberations. Evidence base: Michael E. Goetz, Allen R. Odden, and Lawrence O. Picus "Using Available Evidence to Estimate the Cost of Educational Adequacy," Education Finance and Policy v3 n3 (2008): 374-397. The recommendations are derived from both the Professional Judgment panel specifications and the evidence base.

Recommended High School Technology Hardware

	High School #1 1000 Students	High School #2 400 Students
Administrative Computers		
Computers	1 per staff member	1 per staff member
Printers (ink)	1 per staff member	1 per staff member
Copier	5	3
Servers	2	1
Switches and Routers		
Faculty Laptops	1 per staff member	1 per staff member
Classroom		
Computers	1 per classroom	1 per classroom
Printers	1 per classroom	1 per classroom
LCD Projector	1 per classroom	1 per classroom
Smartboard	1 per classroom	1 per classroom
Document Camera	1 per classroom	1 per classroom
Computer Lab(s)- Fixed		
Computers	44	44
Printer/Scanners	1 per lab	1 per lab
Smartboard	1 per lab	1 per lab
Computer Lab(s)- Mobile		
Laptops	1 per student	1 per student
Media Center		
Computers	27	27
Digital Video Cameras	5	5
Digital Cameras	22	22
Printer (laser)	2	2

Source: Professional Judgment Panel deliberations. There is currently no evidence base on adequate technology for students.

High School #1: 1000 Students -- Recommended Additional Programs

High School #1: 1,000 Students					
Program Name	Before or After School Program	Summer School	Afterschool Tutoring/ Homework Club/ AP Prep	Summer Bridge	Summer Enrichment
# of Pupils Served	50% of at-risk students, ELL L1 and L2	50% of at-risk students, ELL L1 and L2			75
Type of Student Served	At-risk, ELL	At-risk, ELL	All	Entering 9 th Graders/ Transfers	At-risk, ELL
Grade Level	9-12	9-12	9-12	Entering 9 th	9-12
Program Specifics	2 hours	6 to 8 weeks, full day	2 hours @ 3 days a week	2 weeks	4 weeks, 3 hrs 4 days a week
Personnel					
Teachers	30:1	30:1	16 (1 per core, per grade)	10	20:1
Social Worker		1.0			
Coordinator	1.0				
Security		2.0			
Other Costs					
Instructional Supplies, Materials and Equipment				\$100/student	

Source: Professional Judgment Panel deliberations.

High School #2: 400 Students -- Recommended Additional Programs

High School #2: 400 Students					
Program Name	Before or After School Program	Summer School	Afterschool Tutoring/ Homework Club/ AP Prep	Summer Bridge	Summer Enrichment
# of Pupils Served	50% of at-risk students, ELL L1 and L2	50% of at-risk students, ELL L1 and L2			30
Type of Student Served	At-risk, ELL	At-risk, ELL	All	Entering 9 th Graders/ Transfers	All
Grade Level	9-12	9-12	9-12	Entering 9 th	9-12
Program Specifics	2 hours	6 to 8 weeks, full day	2 hours @ 3 days a week	2 weeks	4 weeks, 3 hrs 4 days a week
Personnel					
Teachers	30:1	30:1	8 (1 per core, per 2 grades)	5	20:1
Social Worker		1.0			
Coordinator	0.5				
Security		1.0			
Other Costs					
Instructional Supplies, Materials and Equipment				\$100/student	

Source: Professional Judgment Panel deliberations.