

HANDOUT 7 – ELEMENTARY SCHOOLS SUMMARY TABLES OF RECOMMENDED PERSONNEL, NON PERSONNEL, TECHNOLOGY SPECIFICATIONS

Elementary School Profiles

Sample School	Elementary School #1: (K-5 – 420 students)*	Elementary School #2: (K-5 – 210 students)*
Total Enrollment	420	210
Enrollment Per Grade	70	35
At-Risk Students (70%)	294	147
ELL Students (9%)	38	19
Gifted/Talented Students (5%)	21	11
Special Education Students – Level 1*	26	13
Special Education Students – Level 2*	23	12
Special Education Students – Level 3*	8	4
Special Education Students – Level 4*	15	7
Pre-K 3-4 Classrooms**	6	3

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

**All numbers are for K-5; additional staff and resources for pre-K students were analyzed separately

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 – Elementary School

	Base Personnel	At-Risk Personnel	ELL Personnel	Gifted Personnel	Special Education Personnel	Total Personnel
Elementary # 1: 420 Students						
Teachers	24.3		2.0	0.2	5.5	32.0
Specials Teachers	4.0					4.0
Intervention Teachers		2.9				2.9
Adaptive PE Teacher					0.5	0.5
Librarians/Media Specialists	1.0					1.0
Technology Specialists	0.5					0.5
Instructional Aides		3.0			3.0	6.0
Full-time Substitute	1.0					1.0

	Base Personnel	At-Risk Personnel	ELL Personnel	Gifted Personnel	Special Education Personnel	Total Personnel
Additional Substitutes	10 days/ teacher					
Subtotal: Instructional Staff	30.8	5.9	2.0	0.2	9.0	47.9
Student Support Staff			0.4			0.4
- Counselors	0.5	0.5				1.0
- Nurses	1.0					1.0
- Psychologists	0.5	0.5			0.6	1.6
- Social Worker/Behavior Therapist	0.5	1.0			0.6	2.1
- Family Liaison		0.5				0.5
- Speech, Occupational and Physical Therapists					2.8	2.8
Subtotal: Student Support Staff	2.5	2.5	0.4		4.0	9.4
Principal	1.0					1.0
Assistant Administrator	0.5					0.5
Dean		1.0				1.0
Special Education Coordinator					0.7	0.7
ELL Coordinator			0.1			0.1
Instructional Facilitator (Coach)	2.0				0.5	2.5
Office Manager	0.5					0.5
Clerical/Data Entry	2.0					2.0
Subtotal: Administrative Staff	6.0	1.0	0.1		1.2	8.3
Security	1.0	1.0				2.0
Subtotal: Other Staff	1.0	1.0				2.0
Total Staff	40.3	10.4	2.5		14.2	67.4
Students per Instructional Staff						8.8:1
Students per Total Staff						6.2:1
Elementary #2: 210 Students						
Classroom Teachers	12.2		1.0	0.1	2.7	16.0
Specials Teachers	3.0					3.0
Intervention Teacher		1.5				1.5
Adaptive PE Teacher					0.3	0.3
Librarians/Media Specialists	0.5					0.5
Technology Specialists	0.5					0.5
Instructional Aides		1.5	0.1		1.4	3.0
Full-time Substitute	0.5					0.5

	Base Personnel	At-Risk Personnel	ELL Personnel	Gifted Personnel	Special Education Personnel	Total Personnel
Additional Substitutes	10 days/ teacher					
Subtotal: Instructional Staff	16.7	3	1.1	0.1	4.4	25.3
Student Support Staff			0.2			0.2
- Counselors	0.3	0.5				0.8
- Nurses	1					1
- Psychologists	0.3	0.3			0.3	0.9
- Social Worker/Behavior Therapist	0.3	0.5			0.3	1.1
- Family Liaison		0.3				0.3
- Speech, Occupational and Physical Therapists					1.4	1.4
Subtotal: Student Support Staff	1.9	1.6	0.2		2.0	5.7
Principal	1.0					1.0
Dean		1.0				1.0
Special Education Coordinator					0.3	0.3
ELL Coordinator			0.1			0.1
Instructional Facilitator (Coach)	1.0				0.2	1.2
Office Manager	0.5					0.5
Clerical/Data Entry	1.0					1.0
Subtotal: Administrative Staff	3.5	1.0	0.1		0.5	5.1
Security	1	0.5				1.5
Subtotal: Other Staff	1	0.5				1.5
Total Staff	23.1	6	1.4	0.1	6.9	37.6
Students per Instructional Staff						8.3:1
Students per Total Staff						5.6:1

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 Elementary School Non-Personnel Resources

	Elementary #1: 420 Students	Elementary #2: 210 Students
Additional Resources		
Professional Development	15 days/ teacher \$100/ student	15 days/ teacher \$100/ student
Supplies & Materials	\$165/ student	\$165/ student
Textbooks		
Equipment		
Assessment		
Technology Licensing	\$30/ student	\$30/ student
Student Activities	\$200/ student	\$200/ student

Source: Professional Judgment Panel deliberation. 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 Technology Hardware – Elementary School

	Elementary School #1: 420 students	Elementary School #2: 210 students
Administrative Computers		
Computers	1 per staff	1 per staff
Printers	1 per staff	1 per staff
Copier	3	2
Servers	2	1
Switches and Routers		
Faculty Laptops	1 per staff	1 per staff
Classroom		
Computers	1 per 4 students	1 per 4 students
Printers	1	1
LCD Projector	1	1
Document Camera	1	1
Computer Lab(s)- Fixed		
Computers	25	25
Printer/Scanners	1	1
Smartboard	1	1
Computer Lab(s)- Mobile		
Laptops	52	26
Media Center		
Computers	5	5
Digital Video Cameras	5	3
Digital Cameras	5	3
Printer	2	2
Tablets	26	26

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

Recommended Elementary Additional Programs

Program Name	Elementary School #1: 420 Students		Elementary School #2: 210 Students	
	Before or After School Program	Summer School	Before or After School Program	Summer School
# of Pupils Served	100% of at-risk students, may include sliding scale for cost for those just above, ELL L1 and L2	50% of at-risk students, ELL L1 and L2	100% of at-risk students, may include sliding scale for cost for those just above, ELL L1 and L2	50% of at-risk students, ELL L1 and L2
Type of Student Served	At-risk, ELL	At-risk, ELL	At-risk, ELL	At-risk, ELL
Program Specifics	2.5 hours	6 weeks, full day	2.5 hours	6 weeks, full day
Personnel*				
Teachers	25:1	15:1 K-3 20:1 otherwise	25:1	15:1 K-3 20:1 otherwise
- Social Worker		1.0		1.0
Instructional Aides	25:1	2.0	25:1	2.0
Coordination	0.5		0.5	
Security		1.0	1.0	1.0
Other Costs^				
Instructional Supplies, Materials and Equipment	\$165/student		\$165/student	
Interventions		\$500/student		\$500/student

Source: Professional Judgment Panel deliberations.

Recommended Elementary Additional Programs -- Preschool

Program Name	Elementary #1: 420 Students	Elementary #2: 210 Students
	Preschool	Preschool
# of Pupils Served	6 Pre-k 3/Pre-K 4 Classrooms	3 Pre-K 3/Pre-K 4 Classrooms
Type of Student Served	15 to 1 Regular Ed	15 to 1 Regular Ed
Personnel		
Classroom Teachers	6.0	3.0
Specials Teachers	1.2	
Instructional Facilitator	0.5	0.5
Instructional Aides	6.0	3.0
Other Costs		
Professional Development	15 days/ teacher \$100/ student	15 days/ teacher \$100/ student
Instructional Supplies and Materials	\$165/ student	\$165/ student
Equipment		
Technology		
Assessment		
Student Activities	\$200/ student	\$200/ student

Source: Professional Judgment Panel deliberations.