Arlington Public Schools
Office of School Support
2110 Washington Boulevard • Arlington, VA 22204

MEMORANDUM

TO: Dr. Francisco Durán, Superintendent

FROM: Kimberley Graves, Chief of School Support

DATE: December 3, 2021

RE: Response to follow up question #22.14 Class Size Report (MO)

Thank you for your email dated Tuesday, November 16th to School Board member Monique O'Grady regarding request for class size report.

Enclosed for your reference is an overview of elementary class size and "traffic light" report which provides details on class sizes at the elementary level and course enrollment report at the secondary level which details enrollment across core, elective and world language courses with highlights on courses which exceed maximum enrollment.

In the report there are classes with enrollments of 27 or more at both the middle and high school levels. Elective courses, such as band and P/E are typically enrolled at a higher number. Core and world languages courses at the secondary level that exceed the maximum enrollment are due to several factors including but not limited to scheduling conflicts and fluctuating student course selections. When there are larger numbers, the principals report that they usually assign an additional teacher (Special Education or HILT teacher) to provide additional support to identified students in those classes. They also report that these numbers change over time as students make changes or teachers recommend movement to another level for the same course.

Classroom membership counts are closely monitored, and schools are allocated contingency staff based on instructional needs, building capacity and other factors related to creating safe and optimal learning environment for students. While the data reflects the increase in classroom teacher planning factors adopted in the FY 2022 budget; previous planning factors from the FY 2021 were considered when allocating the additional staff.

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Arlington Public Schools
Class Size Report
2021-2022
Elementary

School	K			1			2			3			4			5		
	aver	min	max	aver	min	max	aver	min	max	aver	min	max	aver	min	max	aver	min	max
Abingdon Elementary School	24.4	23	25	20.33	19	21	20.83	20	22	21	21	21	24.25	22	26	23.25	22	24
Alice West Fleet Elementary School	23.33	20	25	23	22	25	24.25	22	26	23.25	21	25	23.67	23	25	21.5	20	24
Arlington Science Focus Elementary	20.25	20	21	20.25	18	22	22	21	24	23.33	23	24	25.67	24	27	21.33	21	22
Arlington Traditional Elementary	23.2	21	24	22.75	22	24	23.5	23	24	21.8	21	23	24.5	23	26	25	24	26
Ashlawn Elementary School	22	21	23	22.67	22	24	22.75	21	24	21	20	22	25	24	26	24.33	24	25
Barcroft Elementary School	19.67	19	20	21.5	21	22	18.33	18	19	17.25	17	18	19	18	20	26.5	26	27
Barrett Elementary School	16.75	14	18	19.75	16	21	20.25	19	23	20	19	23	20.33	20	21	24	23	25
Campbell Elementary School	20.33	18	22	20.67	20	22	20.33	20	21	19.67	18	21	20.67	20	21	19.33	19	20
Cardinal Elementary School	25.25	25	26	24	23	25	26.75	26	27	24.6	23	26	23.6	23	25	26.75	26	27
Carlin Springs Elementary School	19.5	18	20	18	18	18	18	18	18	18.25	16	20	19.25	18	20	21	20	22
Claremont Elementary School	23.25	22	24	20.33	19	22	22.4	21	24	22	21	23	23	22	24	21.6	21	22
Discovery Elementary School	18.33	18	19	20	20	20	18.25	17	19	22.25	22	23	21.5	21	22	25.67	25	26
Dr. Charles R. Drew Elementary School	21	20	22	23	21	24	17	16	19	22.33	22	23	19.33	17	21	27.5	27	28
Escuela Key Elementary School	23.5	23	24	21.2	20	22	24.75	23	26	23.5	23	24	26	25	27	22.25	21	24
Glebe Elementary School	21	21	21	24	23	26	21	21	21	24.67	24	25	25	24	26	21.75	20	23
Hoffman-Boston Elementary School	23	22	24	20	19	21	20.5	19	22	22.75	22	24	19.67	19	20	21	20	22
Innovation Elementary School	20.33	20	21	22	21	23	22.33	20	24	23.67	22	25	22.33	22	23	21.5	21	22
Jamestown Elementary School	24.33	23	25	21.67	21	22	25.67	25	27	21	19	23	23.33	22	24	26.67	26	27
Long Branch Elementary School	16.33	16	17	23.67	23	24	16.33	16	17	21	20	22	22.33	21	23	22	19	25
Nottingham Elementary School	19.67	19	20	20	19	21	24	23	25	21.5	21	22	26	26	26	24.67	24	25
Oakridge Elementary School	19.2	19	20	22.2	19	23	22	21	23	23	22	24	23.25	22	24	22	21	23
Randolph Elementary School	19.33	18	20	19.33	19	20	16.5	15	17	15.75	13	17	22	20	23	19.33	19	20
Taylor Elementary School	20.33	19	21	25	23	26	23	20	26	21	16	24	21	19	23	22.5	22	23
Tuckahoe Elementary School	22.67	21	24	25.33	25	26	19.67	19	21	24.33	22	26	24.67	24	25	23.67	23	24
Virtual Learning Program - Elementary	24	23	25	14	13	15	16	15	17	18.33	16	20	20.5	20	21	18.33	17	20
Average school class size per grade	21.24			21.03			20.73			21.49			22.34			22.54		

School	Pk -K			1 -3			4 - 5		
	aver	min	max	aver	min	max	aver	min	max
Montessori Public School of Arlington	22.71	19	25	24.67	23	26	26.75	26	28

Arlington Public Schools
Class Size Traffic Light Report 2021-2022

Schools	Kindergarten					First Grade						Second Grade						Third grade					Fourth Grade					Fifth Grade				
	1	2	3	4	5	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Abingdon Elementary School	24	25	25	23	25	19	20	20	21	21	21	20	22	20	20	21	22	21	21	21	21	21	22	24	26	25		24	24	22	23	
Alice West Fleet Elementary School	20	25	25			22	25	23	22			26	24	25	22			22	25	21	25		25	23	23			21	24	21	20	
Arlington Science Focus Elementary	20	21	20	20		22	18	22	19			21	21	24				23	24	23			24	26	27			22	21	21		
Arlington Traditional Elementary	24	23	24	21	24	24	23	22	22			24	23	24	23			21	22	23	22	21	23	25	24	26		26	24	24	26	
Ashlawn Elementary School	23	21	23	21		22	22	24				21	24	24	22			21	22	20	21		25	24	26	25		25	24	24		
Barcroft Elementary School	19	20	20			21	22	22	21			18	19	18				17	17	17	18		19	20	19	18		26	27			
Barrett Elementary School	14	17	18	18		16	21	21	21			20	19	19	23			19	19	19	23		20	21	20			24	25	23		
Campbell Elementary School	18	21	22			20	22	20				21	20	20				18	21	20			20	21	21			20	19	19		
Cardinal Elementary School	25	25	26	25		24	23	25	24			27	27	26	27			26	23	25	23	26	23	24	23	23	25	26	27	27	27	
Carlin Springs Elementary School	18	20	20	20		18	18	18	18			18	18	18	18			16	20	20	17		19	20	20	18		22	21	20		
Claremont Elementary School	24	23	24	22		20	22	20	19	21	20	21	24	21	23	23		22	22	22	21	23	23	24	22	23		22	22	22	21	21
Discovery Elementary School	18	18	19			20	20	20	20			18	19	17	19			22	22	23	22		22	21	21	22		26	25	26		
Dr. Charles R. Drew Elementary School	20	21	22			24	21	24				16	19	16				22	22	23			21	17	20			28	27			
Escuela Key Elementary School	24	23	24	23		22	20	21	21	22		26	25	23	25			24	23	23	24		26	25	26	27		24	21	22	22	
Glebe Elementary School	21	21	21	21		26	23	23	24			21	21	21	21			24	25	25			24	26	25	25		21	23	23	20	
Hoffman-Boston Elementary School	23	23	24	22		20	21	19	20			20	21	22	19			24	22	23	22		20	19	20			20	22	21		
Innovation Elementary School	20	21	20			23	21	22				23	24	20				24	22	25			22	23	22			22	21			
Jamestown Elementary School	23	25	25			22	21	22				25	27	25				20	22	19	23		24	22	24			27	27	26		
Long Branch Elementary School	16	17	16			23	24	24				17	16	16				20	21	22			21	23	23			19	22	25		
Nottingham Elementary School	20	20	19			21	19	20				25	24	23				21	22				26	26	26			25	24	25		
Oakridge Elementary School	19	19	19	19	20	23	23	19	23	23		22	22	21	23			23	23	24	22		24	23	22	24		22	21	23	22	
Randolph Elementary School	18	20	20			20	19	19				17	15	17	17			17	17	16	13		23	20	23			20	19	19		
Taylor Elementary School	21	21	18			25	26	23	26			20	23	26				22	22	16	24		22	20	23	19		22	23	23	22	
Tuckahoe Elementary School	24	23	21			25	25	26				21	19	19				25	26	22			25	25	24			23	24	24		
Virtual Learning Program - Elementary	23	25				13	15					15	16	17				16	20	18			20	21				18	17	20		

Planning Factor Guideline Number	**25**	**22**	**24**	**24**	**26**	**26**
County Planning Factor Number	**26**	**26**	**28**	**28**	**30**	**30**

Traffic Lights Count (Kindergarten)	**Kindergarten**					
Blue - Less Than Planning Factor -2	67					
Green - - 2 of the planning factor	33					
Yellow - Equal to Max Factor	1					
Red - Above Max Factor	0					

Traffic Lights Count(grade 1 -5)		**First Grade**	**Second Grade**	**Third Grade**	**Fourth Grade**	**Fifth Grade**
Blue - Less Than Planning Factor -2		16	52	39	75	67
Green - + or - 2 of the planning factor		70	36	55	35	33
Yellow - within 2 of Max Factor		9	4	0	0	0
Red - Above Max Factor		0	0	0	0	0

Notes:
Based on Nov 01, 2021 enrollment

Middle School Core and Foreign Language number of Class Size at 27 or More

COURSE#	TITLE	GUNSTON	JEFFERSON	KENMORE	SWANSON	WILLIAMSBURG	Dorothy Hamm	H-B WOODLAWN	VLP MS
11109	Grade 6 English					2			
11110	Grade 7 English		3	1		4			1
11120	Grade 8 English	4							
12210	World Geography	1	1	1			3		
12212	Immersion World Geography	2							
12354	US History to Present						2		
13109	Pre-Algebra for 7th Graders (7 and 8)			1			1	1	
13110	Math 6			1					
13130	Algebra I	1							
13140	Algebra I, Intensified			1		1	2	1	
14105	Grade 6 Science						1		1
14125	Grade 8 Physical Science	1					2		
14126	Immersion Science 8	1							
15110	French I			1	1				
15120	French II						1		
15510	Spanish I	3			3	2	3		
15520	Spanish II	2	2		1		1		

High School Core and Foreign Language number of Class Size at 27 or More

COURSE	TITLE	WAKEFIELD	WASHINGTON-LIBERTY	YORKTOWN	H-B WOODLAWN	Career Center	VLP Hs	ARLINGTON Community
21132	English 9 Intensified		7	9				
21150	English 11	8	2	8			1	
22343	World History, Intensified	1	5	9				
22440	United States & Virginia Government	4	2	4				
23130	Algebra I	7	2	4				
23135	Algebra II	4	8	8				
23136	Algebra II/Trigonometry, Intensified		5	3				
23143	Geometry	2	5	5				
23155	Algebra III			1				
23164	Pre-Calculus, Intensified	1			1			
23190	Probability & Statistics	1	4	1				
24315	Intensified Biology	5		4				
24510	Physics	4	8	10				
25110	French I	1		1				
25510	Spanish I		1	2				
25520	Spanish II		1					
25530	Spanish III	1	5	1				
31195	English Literature & Composition, AP	2		6				
32319	United States & Virginia History, AP	1	7	12				
32445	United States & Virginia Government,	1	10	8				
34370	Biology, AP	1		1				

New Directions Class Size Report	
TITLE	**Class Size**
Algebra I	5
Algebra, Functions & Data Analysis	3.5
Art I	1
Art II	1
Biology	6
Earth Science	3.33
Economics & Personal Finance	6
English 10	1.25
English 11	1.2
English 12	1.5
English 9	2
Environmental Science	2
Geometry	7
Health & Physical Education I	3
Health and Physical Education II	3
Physical Education III	3
Spanish I	2
Spanish II	2
United States & Virginia Government	3
United States & Virginia History	2.5

CAREER CENTER CLASS COUNT

CRS	TITLE	# Of Class	Aver Class Size	Range Min - Max	
ACCExplore	ACCExplore	5	91	2	203
28062	Advanced Animal Science I/ Small Animal Care I	3	16	12	20
28741	Air Force Junior ROTC I	3	10.67	7	15
28742	Air Force Junior ROTC II	2	2	2	2
28743	Air Force Junior ROTC III	2	4	3	5
23130	Algebra I	5	12.8	9	17
23135	Algebra II	4	16	9	23
23136	Algebra II/Trigonometry, Intensified	2	16	15	17
23145	Algebra, Functions & Data Analysis	2	8.5	3	14
25990	American Sign Language I	1	16	16	16
25995	American Sign Language II	1	5	5	5
25997	American Sign Language III	1	14	14	14
25822	Arabic II	1	2	2	2
25830	Arabic III	1	1	1	1
28955	Arlington Tech Capstone Experience	2	31	3	59
24700	Astronomy	2	14	5	23
28677	Automotive Collision Repair I	2	6	6	6
28678	Automotive Collision Repair II	1	6	6	6
28509	Automotive Technology I	6	5.67	3	8
98509W	Automotive Technology I, Dual Enrollment	6	10	8	12
28507	Automotive Technology II	1	2	2	2
98507W	Automotive Technology II, Dual Enrollment	2	14.5	13	16
98508W	Automotive Technology III, Dual Enrollment	2	2	2	2
28731	Aviation Technology	2	13.5	9	18
28531	Barbering I	1	11	11	11
28532	Barbering II	1	9	9	9
28526	Barbering III	1	1	1	1
24310	Biology	5	16.6	13	20
93179W	Calculus I/II, Dual Enrollment	1	13	13	13
93176W	Calculus: Dual Enrollment	2	12	8	16
CCSup	Career Center Support	35	10.11	4	18
22010	Career Investigations	3	22.33	16	32
24410	Chemistry	4	17	11	22
25615	Chinese I	1	2	2	2
25630	Chinese III	2	1.5	1	2
25640	Chinese IV	1	2	2	2
28408	Computer Assisted Architectural Drawing	1	14	14	14
28438	Computer Assisted Engineering Drawing	1	11	11	11
96643W	Computer Programming Advanced, DE	1	7	7	7
96644W	Computer Programming Intensified, DE	1	14	14	14
96638W	Computer Programming, Dual Enrollment	2	10	8	12

33186	Computer Science Principles, AP	3	10.67	9	13
28512	Construction Technology	1	9	9	9
28528	Cosmetology I	3	17	14	19
28529	Cosmetology II	1	12	12	12
28530	Cosmetology III	2	2.5	1	4
28522	Culinary Arts & Sciences I	2	16.5	15	18
28528	Cosmetology I	3	17	14	19
28529	Cosmetology II	1	12	12	12
28530	Cosmetology III	2	2.5	1	4
28522	Culinary Arts & Sciences I	2	16.5	15	18
28523	Culinary Arts & Sciences II	1	11	11	11
28524	Culinary Arts III: Specialization	1	7	7	7
26659	Cybersecurity I: Cybersecurity Fundamentals	2	1.5	1	2
96659W	Cybersecurity I: Cybersecurity Fundamentals, DE	2	17.5	17	18
96662W	Cybersecurity II: Cybersec. Software Operation, DE	1	8	8	8
96657W	Cybersecurity II:Comp Sftwr Netwk Operations, DE	1	8	8	8
26667	Cybersecurity Network Systems	2	2	2	2
96667W	Cybersecurity Network Systems, DE	2	17.5	17	18
28457	Digital Animation	2	15.5	12	19
26671	Digital Electronics	1	6	6	6
29193	Digital Photography I	3	13.33	10	20
29194	Digital Photography II	1	7	7	7
28235	Early Childhood Education I	2	5	4	6
98235W	Early Childhood Education I, DE	2	10	10	10
28236	Early Childhood Education II	1	1	1	1
98236W	Early Childhood Education II, DE	1	8	8	8
24210	Earth Science	2	10.5	9	12
22212	Economics & Personal Finance	5	17.2	15	21
32806	Economics, AP	2	18	14	22
20786	ELD 1 English	1	7	7	7
20787	ELD 1 Reading	1	7	7	7
20780	ELD 1 Science	1	15	15	15
20775	ELD 1 SLIFE Literacy Development	1	8	8	8
20776	ELD 1 SLIFE Reading	1	8	8	8
20789	ELD 1 Social Studies	1	15	15	15
20790	ELD 2 English	1	10	10	10
20791	ELD 2 Reading	1	10	10	10
20796	ELD 3 English 9	1	2	2	2
20794	ELD 3 Reading 9	1	2	2	2
20799	ELD 4 English 10	1	4	4	4
20797	ELD 4 Reading 10	1	4	4	4
24362	ELD Environmental Science	1	7	7	7
28534	Electricity I	2	16	16	16

28535	Electricity II	1	3	3	3
28334	Emergency Medical Technician/Human Anatomy &	2	2	1	3
98334W	Emergency Medical Technician/Human Anatomy &	3	17	15	18
28491	Engineering I: Intro to Engineering Design	7	15.29	9	26
28492	Engineering II: Principles of Engineering	2	14	13	15
21140	English 10	4	17.5	14	22
21142	English 10 Intensified	3	20	17	24
21150	English 11	5	13.2	2	20
21185	English 11 Extension	2	5	2	8
91150W	English 11, Dual Enrollment (College Composition)	3	15	11	21
21160	English 12	3	12	7	19
91160W	English 12 Dual Enrollment	2	4.5	3	6
91161W	English 12, Dual Enrollment (British & World Liter	2	14.5	9	20
21130	English 9	5	14.8	8	19
21132	English 9 Intensified	3	14.33	12	17
29094	Entrepreneurship	2	10	9	11
99094W	Entrepreneurship, Dual Enrolled	2	6	6	6
24361	Environmental Science	2	2.5	2	3
FlexPD	Flexible Period	4	14.25	7	23
28325	Forensic Technology with application in Biotechnol	2	22.5	22	23
25120	French II	1	3	3	3
25130	French III	1	18	18	18
25140	French IV	1	2	2	2
94310W	General Biology, Dual Enrollment	1	13	13	13
94501W	General College Physics I, Dual Enrollment	2	17.5	14	21
94502W	General College Physics II DE	1	19	19	19
94270W	General Environmental Science, Dual Enrollment	1	10	10	10
23143	Geometry	5	11	1	18
23141	Geometry, Intensified	1	14	14	14
23142	Geometry, Principles	2	13.5	13	14
25210	German I	1	7	7	7
25220	German II	1	10	10	10
25230	German III	1	9	9	9
28458	Graphic Communications System	2	17	17	17
27300	Health & Physical Education I	7	18.57	6	37
27400	Health and Physical Education II	7	18	1	33
28303	Health Sciences	3	11.67	9	13
20028	Instructional Studies	19	6.68	3	10
24315	Intensified Biology	3	14.33	9	22
24415	Intensified Chemistry	3	15	13	17
95501W	Intermediate Spanish I/II, Dual Enrollment	1	10	10	10
21209	Journalism: Yearbook	1	10	10	10
25310	Latin I	1	7	7	7

25320	Latin II	1	9	9	9
25330	Latin III	1	21	21	21
25340	Latin IV	1	10	10	10
25350	Latin V	1	1	1	1
20026	Living Skills	10	5.6	5	7
23111	Math Foundations	1	16	16	16
98383W	Medical Terminology	2	13.5	10	17
20999	Occupational Exploration	10	6.3	5	8
20998	Occupational Knowledge	10	6.4	5	9
20055	Personal Living & Finances	10	5.3	2	8
28305	Pharmacy Technician	1	15	15	15
28332	Physical Therapy/Sports Medicine Technology	3	9.33	5	13
24510	Physics	2	21.5	20	23
24500	Physics, Principles of	1	18	18	18
23113	Pre-Algebra	1	16	16	16
93162W	Pre-Calculus, Dual Enrollment	3	16.67	11	22
23162	Pre-Calculus/Trigonometry	2	18	12	24
23190	Probability & Statistics	2	17	9	25
22900	Psychology	2	19.5	18	21
20015	Reading	1	1	1	1
29911	Space Force Junior ROTC I	2	2.5	1	4
25510	Spanish I	1	10	10	10
25520	Spanish II	1	14	14	14
25530	Spanish III	3	14.67	12	18
25540	Spanish IV	1	24	24	24
93163W	Statistics I/II, Dual Enrollment	1	25	25	25
23124	Strategies Algebra I	3	12.33	9	17
23128	Strategies, Geometry	1	13	13	13
20185	Study Hall	4	11.75	1	21
28460	Sustainable and Renewable Technologies	1	19	19	19
99062W	Teachers for Tomorrow I, Dual Enrolled	1	8	8	8
28064	Technical Animal Science I/ Veterinary Science I	3	14	9	20
28691	Television & Multimedia Production III	1	4	4	4
98690W	TV and Multimedia Production II, DE	2	3	3	3
98689W	TV Production I, Dual Enrollment	2	12.5	11	14
22440	United States & Virginia Government	3	16.67	9	25
92240W	United States & Virginia Government, Dual Enrollme	2	13	7	19
22360	United States & Virginia History	5	14.8	8	22
92360W	United States & Virginia History, Dual Enrollment	2	18.5	17	20
22446	United States and Virginia Government ELD	1	10	10	10
20155	Volunteer Service	1	1	1	1
26646	Web Page Design & Multimedia	2	2.5	2	3
96646W	Web Page Design & Multimedia	2	13.5	12	15

96631W	Web Page Design & Multimedia, Advanced DE	1	4	4	4
22210	World Geography	1	5	5	5
22216	World History & Geography: 1500 AD to Present	5	16	12	21
22215	World History & Geography: Beginnings to 1500 AD	2	1	1	1
22343	World History, Intensified	3	12.67	11	14