



# Arlington Public Schools

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## MEMORANDUM

**TO:** Dr. Francisco Durán, Superintendent

**FROM:** Kimberley Graves, Chief of School Support

**SUBJECT:** 2023-24 Class Size Report

### Overview

The 2023-24 Class Size Report provides information on the distribution of students within classes at each school and program based on enrollment on November 1, 2023. The report provides details on APS planning factors, staffing, and elementary, middle, and high school class sizes. The class size reports for secondary schools and programs do not include all curricular courses but rather reflect enrollment in selected core classrooms, specifically English/Language Arts, Math, Science, and Social Studies.

The 2023-2024 Class Size Report is comprised of the following information:

- Planning Factors and Staffing
- Class Size Summary
- Elementary Class Size Tables
- Middle School Class Size Tables
- High School Class Size Tables
- Additional APS Planning Factors

### Planning Factors and Staffing:

Planning Factors for APS schools are set annually by the School Board in its approved budget. Planning factors are used as a guide to determine staffing at each school. Planning factors provide a base level of equity and consistency for personnel, equipment, and supplies to meet instructional goals and adequately deliver instruction, provide predictability regarding budgetary planning, and assure compliance with state standards. Allocating funds using formulas based on enrollment projections is done to ensure funding equity among schools and programs. When enrollment increases above the approved planning factor recommendations, school administrators work in collaboration with the Human Resources Department and Office of School Support to determine if necessary, staffing adjustments are needed. Several considerations are used when addressing class sizes that exceed planning factors, which may include the allocation of additional teacher or support staff positions, use of existing staffing to meet needs, consideration of the impact on the social and emotional needs of students with class disruption and/or the likelihood of hiring highly qualified staff based on the time of the school year. It is also important to recognize that there will be different variances across schools due to the distribution of students in classes based on scheduling needs and student selection of courses. *APS is currently undergoing a study of our planning factors by an outside consultant and an internal design team comprised of school administrators, central level staff and teachers, which could provide recommendations that may significantly impact our current planning factors in the future.*

**SY 23-24 Planning Factors for Class Size and Staffing**

**Elementary Schools**

Kindergarten	At 23 with a recommended maximum class size of 24
1 <sup>st</sup> Grade	At 20 with a recommended maximum class size of 24
2 <sup>nd</sup> Grade	At 22 with a recommended maximum class size of 26
3 <sup>rd</sup> Grade	
4 <sup>th</sup> Grade	At 24 with a recommended maximum class size of 28
5 <sup>th</sup> Grade	

**Secondary Schools**

Middle School General Education Classroom Teacher Staffing Allocation:	4.0 positions to the number of teams/block scheduling (all students) per grade level plus additional positions per 25.15 general education students with an adjustment to extrapolate 5 teacher periods to 2 student periods and an added factor for special education students.
High School General Education Classroom Teacher Staffing Allocation:	1.0 per 25.9 general education students with an adjustment to extrapolate 5 teacher periods to 7 student periods and an added factor for mainstreaming special education students.

*\*Additional instructional planning factors are located on page 9. Planning factors changes from previous years is available upon request.*

**Class Size Summary**

- The class size numbers were run on November 1, 2023 and reflect one point in time. There is movement throughout the first months of school, especially at the conclusion of the first grading period.
- 99% of elementary classes were at or below the recommended maximum class size.
- 97% of middle school Science, Math, and Social Studies classes were at or below 27; 87% of middle school ELA classes were at or below 24.
- 76% of high school Science, Math, and Social Studies classes were at or below 27; 64% of high school ELA classes were at or below 24.

Across APS elementary schools, the average class sizes were:

- K/1<sup>st</sup>: 20.1
- 2<sup>nd</sup>/3<sup>rd</sup>: 21.9
- 4<sup>th</sup>/5<sup>th</sup>: 22.1

The report includes courses with a small number of students at the middle and high school levels. In many of these cases, courses are combined for certain English Learner (EL) classes, language classes, and fine arts classes. At some of our alternative programs, single-digit numbers may indicate students taking online versions of these courses or that several course sections are combined to form one class.

Middle school administrators work hard to hold classes at or below the planning factor; however, for some courses and at some schools, that was challenging as they adjusted to the new intensified classes at the 7th and 8th-grade level while at the same time honoring the middle school model.

At the high school level, there are a larger number of classes that are at or above 27 students as compared to middle schools due to a variety of factors, including a larger number of electives and levels of courses (for example, US/VA History, American Civilization, AP US History, and DE US History at the 11<sup>th</sup>-grade level in Social Studies). With this larger number, coupled with our commitment to meet student interests and needs, there are greater limitations on the ability of the schools to level class size. Many times, leveling a class would result in some students being unable to take the classes they wanted. In other cases, there are singleton classes, meaning only one section of a course is provided, as the number of students requesting the course does not warrant creating a second section. When there are larger numbers, the principals usually assign an additional teacher/assistant to support the instructional needs of the 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.

High school administrators frequently prioritize decreasing class sizes in graduation-required courses that enroll more students who tend to struggle academically, resulting in larger class sizes in other courses.

In some cases, schools were unable to fill vacancies, and as a result, sections were consolidated, and current staff were paid additional compensation to teach the extra periods.

**Class Size Traffic Light Key**

	<b>K</b>	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	<b>3<sup>rd</sup></b>	<b>4<sup>th</sup></b>	<b>5<sup>th</sup></b>
Planning Factor Guideline Number/ Target Class Size	23	20	22	22	24	24
Recommended Maximum Class Size	24	24	26	26	28	28

<b>Traffic Lights Count (Kindergarten)</b>
<b>Blue: 3 or More Below the Target Class Size</b>
<b>Green: 1-2 Below Target Class Size</b>
<b>Yellow: At Target Class Size</b>
<b>Red: At or Above Recommended Maximum Class Size/ 4+ over Target Class Size</b>

<b>Traffic Lights Count (grade 1 -5)</b>
<b>Blue: 3 or More Below Target Class Size</b>
<b>Green: 0 to 2 Below Target Class Size</b>
<b>Yellow: 1 to 3 Above Target Class Size</b>
<b>Red: At or Above Recommended Maximum Class Size/ 4+ over Target Class Size</b>

<b>Middle and High Schools Class Size Key for Math, Science and Social Studies</b>
<b>25 to 26 students enrolled</b>
<b>Less than or equal to 24 students enrolled</b>
<b>27 students enrolled</b>
<b>Greater than 27 students enrolled</b>

Middle and High Schools Class Size Key for English/Language Arts (ELA)
22 to 23 students enrolled
Less than or equal to 21 students enrolled
24 students enrolled
Greater than 24 students enrolled

Class Size Traffic Light Report 2023-2024  
Elementary Schools

Schools	Kindergarten						First Grade						Second Grade						Third grade					Fourth Grade					Fifth Grade				
	1	2	3	4	5	6	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	19	17	19	18	18	19	21	22	22	21	21	19	22	21	21	24	24	21	23	24	22	23	21	24	22	23	24	24	22	23	20	23	21
Alice West Fleet Elementary School	20	21	20	21			21	22	21	23			21	19	22	21			22	23	21	22		26	27	27	27		19	20	21	19	
Arlington Science Focus Elementary	23	24	25	24			20	21	21	20	20		21	21	23	21	23		23	23	21	22	23	28	28	28			21	22	20	21	
Arlington Traditional Elementary	24	24	23	23			24	24	24	24			23	22	24	23	23		24	24	24	24		24	24	23	24		22	23	22	24	22
Ashlawn Elementary School	19	18	17	18			19	18	19	16	20		22	23	22	24			23	22	24			24	24	23	24		23	23	21	21	
Barcroft Elementary School	19	19	19	16	17		18	17	18	19			22	21	20				19	21	21	20		20	21	19			26	23	26		
Barrett Elementary School	12	12	14	12			14	17	16	16	15		20	16	18	17			22	22	20	23		24	17	20	18		22	21	22	21	
Campbell Elementary School	21	20	20				21	20	16				21	21	23				19	21	19			19	19	19			21	20	17		
Cardinal Elementary School	22	21	22	22	21		21	22	22	21	22	23	24	24	23	25	24		23	21	22	23	21	23	23	22	24	22	27	26	26	25	26
Carlin Springs Elementary School	17	19	19	20			20	19	20	19			21	23	23	23			15	20	19	20		19	21	20	20		20	21	20	20	
Claremont Elementary School	24	24	24	23			23	24	24	23			22	21	19	21			26	27	26	27		24	24	24	24		23	25	25	25	
Discovery Elementary School	23	22	23				18	20	19	19			24	23	25				21	21	21	20		26	26	25			23	23	22	23	
Dr. Charles R. Drew Elementary School	18	19	19				20	21	16				24	24	21				21	21	20			19	18	19			22	21	22		
Escuela Key Elementary School	24	24	24	22			22	24	24	24			26	25	24	26			23	21	21	22		22	20	22	20		22	23	22	22	
Glebe Elementary School	18	16	18	16			22	25	21	21			26	23	25	25			26	27	26	27		21	19	21	19		24	20	21	21	
Hoffman-Boston Elementary School	18	16	17	18	18		20	22	21	21			20	19	20	20	17		23	22	25	23		22	16	21	22		24	25	23	24	
Innovation Elementary School	23	20	24				18	17	19	20			18	21	19	20			24	22	23			26	23	27			22	23	25		
Jamestown Elementary School	17	20	22				21	19	20				19	19	19	17			23	23	24			26	25	26			27	27	27		
Long Branch Elementary School	24	24	23				19	21	20				22	23	24				26	25	24			20	18	20			24	23	20		
Nottingham Elementary School	19	19	18				17	18	17				23	24	23				20	22	19			26	25	26			24	25			
Oakridge Elementary School	23	23	23	22	22		16	17	19	19	16		20	18	20	20	19		23	26	24	23	20	24	26	24	23		21	25	22	19	
Randolph Elementary School	18	19	17				23	22	23				19	19	21				20	21	21			21	21	20			17	22	20		
Taylor Elementary School	18	19	15	18			21	21	20	22			21	22	19	23			22	19	21	20	21	20	22	17	22		24	23	23	24	
Tuckahoe Elementary School	22	21	22				18	19	17	17			19	20	20	19			23	23	24			26	25	25			22	22	23		

*\*Class Sizes that exceed the recommended planning factor are due to administrative and programmatic decisions; in some cases, additional staff have been allocated including instructional assistants and vacant teacher positions. Due to program design, the Montessori Public School of Arlington class sizes are omitted from the report.*



Class Size Traffic Light Report 2023-2024  
Middle School Science

Schools	Science 6 (14105)																Life Science (14115)									Physical Science (14125)												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	10	11		
Dorothy Hamm Middle School	22	21	20	16	21	20	17	21	22	20	22	18	22	21	20		25	14	16	17	16	14	20	8	17	17	18	20	22	18	21	20						
Gunston Middle School	23	22	24	19	24	18	20										22	28	16	22	26	27				17	16	9	15	25	25	25	11					
H-B Woodlawn Secondary Program	20	21	20	20													17	22	22	21						18	19	21	21									
Jefferson Middle School	22	23	21	19	23	24	20	22	20	24	25	20	24	18	21	7	18	20	13	18	23	16	23	18	9	17	17	23	14	23	13	19	18	18	18	14		
Kenmore Middle School	17	24	22	20	21	19	27	22	21	22	25	21	18	27			18	15	21	14	20	19	20	18	19	24	21	25	23	22	22	20	23	19	9			
Swanson Middle School	20	20	25	26	18	26	22	20	27	14	26	23	20	25	16		10	22	18	20	24	16	18	13	28	9	21	19	14	21	15	10	22	11				
Williamsburg Middle School	22	25	23	20	21	25	24	26	24	25	24	25					28	27	26	25	27					25	29	26	25	26	27							

Class Size Traffic Light Report 2023-2024  
High School Science

Schools	Biology (24310)															Chemistry (24410)														Physics (24510)																																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	6	7	8	9	10	11																												
Arlington Career Center	8	16	23	14	22											15	13	15																								20	16																									
H-B Woodlawn Secondary Program	20	23	20	16	23											26	24	23	16																											12	19	25	20	16																		
Langston High School Continuation	3	5																																																																		
Wakefield High School	24	29	31	23	23	29	28	30	22	26	30	19				30	30	29	18	17	28	25																									29	30	30	31	29	28																
Washington-Liberty High School	28	28	22	26	28	28	28	25	28	24	28	27	7	12		16	27	28	18	27	26	28	15	27	27	14	28																		21	25	28	27	25	19	27	26	26	28	26													
Yorktown High School	27	24	28	27	25	17	19	17	18	21	18	9	24	25	19	24	25	21	23	21	24	25	25	23	26	25	26	18	26															28	29	29	25	25	30	29	22	20	24	26														

*\*Due to the large number of science course options and multiple levels of many courses (regular, intensified, DE, and/or AP), and the relatively larger number of singletons (AP and DE sciences), the ability of schools to level courses to bring at or below the planning factor can be challenging.*

Class Size Traffic Light Report 2023-2024  
Middle School English Language Arts

Schools	English 6 (11109)															English 7 (11110)											English 8 (11120)								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9
Dorothy Hamm Middle School	20	18	21	20	16	21	20	19	20	19	19	17	20	17	17	26	16	10	7	8	11	19					14	14	20	9	12	18			
Gunston Middle School	24	12	16	16	21	23	13	18	15	14	11	17	17	18		22	24	10	23	15	19	25	17	23			13	20	17	22	15	27	11	24	
H-B Woodlawn Secondary Program	17	22	19	19												19	20	20	20								20	21	21	17					
Jefferson Middle School	17	13	20	21	20	20	24	18	15	17	22	13	22	21	23	13	15	26	17	22	17	21	20	16	23	16	19	19	15	13	15	15	15	18	18
Kenmore Middle School	16	22	25	25	21	18	24	10	23	25	21	21				19	25	17	20	22	13	13					17	23	14	14	19	15			
Swanson Middle School	22	24	26	18	14	24	22	15	22	10	26	25	13	26	20	16	11	11	13	23	16	28	26	15			7	10	14	11	16	15	9	18	14
Williamsburg Middle School	20	19	23	20	24	21	23	22	20	18	23	21	25			27	26	26	26	26	27						18	30	23	28	20				

Class Size Traffic Light Report 2023-2024  
High School English Language Arts

Schools	English 9 (21130)												English 10 (21140)												
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	13
Arlington Career Center	8	12	20	6	21								8	20	13	6									
Arlington Community High School	1	4	1										1	1	2	5									
H-B Woodlawn Secondary Program	1	24	26	16	19								1	6	8	13									
Langston High School Continuation	1												1	7											
Wakefield High School	18	27	32	23	22	29	27	27	22	25			18	28	19	18	15	17	29	30	28	26			
Washington-Liberty High School	28	20	22	27	23	25	20	27	23	15	11	13	28	24	24	27	28	27	27	10	8	8			
Yorktown High School	15	22	20	19	19	18	6	6	2	27	25	25	15	22	14	10	24	25	28	25	2	4	29	22	28

Schools	English 11 (21150)															English 12 (21160)									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	
Arlington Career Center	16	18	25													13	13	16							
Arlington Community High School																4	1	1	7	6					
H-B Woodlawn Secondary Program	3	3	3	8	5	5										17	23	12	24	25					
Langston High School Continuation	7	5														1	11	12	4						
Wakefield High School	18	29	28	29	27	18	30	28	26	5	6	10	1	10	6	23	28	30	29	28	19	16	30	21	
Washington-Liberty High School	13	20	22	24	28	26	27	15	15							17	25	23	24	30	23	12	9		
Yorktown High School	21	15	13	29	27	10	27	23	26							9	27	29	29	29					

\*High schools attempt to keep English 9 at a smaller class size as compared to the upper-level English classes to support students as they transition to high school. This results in larger classes in English 10, 11, and 12. The planning factor for ELA is 24, which is lower than all other content areas; additional courses are flagged as exceeding the planning factor.



Class Size Traffic Light Report 2023-2024  
Middle School Social Studies

Schools	12210 - World Geography (8)																12354 - US History to Present (6)															12355 - Civics and Economics (7)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10				
Dorothy Hamm Middle School	17	24	21	24	21	18	22	17	19	24	19	22	21	22	17		22	21	16	21	20	22	19	22	18	19	20	20	21	22	20	21	24	11	21	12	18	18							
Gunston Middle School	21	22	14	20	26	19	25	18	19	25	11	11					16	19	25	18	16	17	18	22									29	29	26	22	22	28							
H-B Woodlawn Secondary Program	20	20	21	18													21	19	22	20													20	20	21	20									
Jefferson Middle School	14	17	22	17	22	24	20	25	19	21	20	21	25	16	22	14	21	19	22	24	20	20	21	20	22	24	27	21	22	17	22	23	20	20	24	22	24	21	16						
Kenmore Middle School	23	20	13	23	21	25	22	15	22	20	25	24	20	12	7		18	21	20	24	23	24	21	23	18	25	26	27	19	17		13	21	18	24	10	23	20	19	18	5				
Swanson Middle School	18	27	22	17	14	14	28	27	22	17	10	28	24	24			25	19	26	24	15	28	23	16	25	18	26	25	15	25	19	15	17	17	21	17	21	16	10	23					
Williamsburg Middle School	26	26	29	27	29	28	27	28	27	27							23	22	26	20	23	24	23	24	23	25	25	25					22	22	23	26	25								

Class Size Traffic Light Report 2023-2024  
High School Social Studies: World History II and EPF

Schools	22216 - World History/Geography: 1500 AD-Present (9)											22212 - Economics & Personal Finance (10)																					
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
ACC	9	22	22	4								9	5	13	12	13	11	13	10														
ACHS	1											1	2	10	3																		
H-B Woodlawn	22	25	22	12	24							22	25	24	18	14																	
Langston	12											12																					
Wakefield	24	25	29	30	30	29	26	31	30	30		24	21	30	25	20	23	30	29	28	27	29	27	24	27	26	3	14	13	11	8		
WLHS	28	28	27	27	29	22	28	27	28	15	12	28	27	26	26	28	30	27	12	10													
Yorktown	6	20	22	20	19	19	5	7	27	25	25	6	30	31	30	31	30	30	6	30	29												

Class Size Traffic Light Report 2023-2024  
High School Social Studies; US/VA History and US/VA Government

Schools	22360 - VA/US History (11)													22440 - VA/US Government (12)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
ACC	11	12	11	18	17	25								22	18	15															
ACHA	1	2												3	3	10	15	8													
H-B Woodlawn	5	17	7											5	3	8	1	28													
Langston	1	5	9											1	2	8	9	6													
Wakefield	21	29	30	29	21	30	22	29	30	28	30	18	13	22	28	11	30	27	29	22	12	25	21	26	27	9	8	8	4	7	
WLHS	29	28	26	24	29	25	29	20	13	22	12	11	13	20	20	27	12	4													
Yorktown	27	25	24	26	28	25	1	10	25	25	23			29	22	31	6	24	29	30	29										

Planning Factor Staffing Changes from FY 2020 to FY 2024

FY 2024 (Changes from FY 2023)	
Elementary English Development Language Teacher	A new planning factor staffing allocation is created for Claremont and Escuela Key elementary schools to provide a 1.00 English language development teacher position to each school. The positions support the implementation of the new 80/20 dual language immersion program model at Claremont Immersion and at Escuela Key starting in school year 2023-2024.
Elementary Math Coach	The planning factor for math coach positions has changed. The previous planning factor provided a 0.50 math coach with an additional 0.50 position for Title I schools or for schools that have enrollment of 650 or more K-5 students. The new planning factor provides a 1.00 math coach for each elementary school.
Elementary Testing Coordinator	The planning factor for testing coordinator positions has changed from a 0.50 position to eight Title 1 elementary schools with the highest free and reduced lunch percentage to providing a 0.50 testing coordinator position to each elementary school.
Secondary Schools Intervention School Counselor	Funds for 10.00 intervention school counselor positions have been added to the secondary schools to address the increased mental health needs of students. The positions are added to provide services for each of the comprehensive middle and high schools (1.00 position each) as well as one divided between the Arlington Career Center and H-B Woodlawn. These counselors are solely focused on providing interventions to students with identified social-emotional and behavioral needs.
Secondary Schools Dean of Students	A 1.00 dean of students position has been added to Gunston, Jefferson and Kenmore middle schools and 1.00 at each comprehensive high school to provide support for student behaviors at the school to include restorative practices as well as Tier 1 and Tier 2 interventions. This will provide a strong support system throughout the school community.
HB Woodlawn and Arlington Career Center Math Coach	The FY 2024 Adopted budget adds a 0.50 math coach position at the H-B Woodlawn Program and at the Arlington Career Center.
High School Washington-Liberty	The FY 2024 Adopted budget provides an additional assistant principal at W-L for the second year in a row to assist with the new annex.
Elem, Mid, High Hourly Accounts	The FY 2024 Adopted budget provides a three percent cost of living adjustment to hourly accounts.
Systemwide Social Worker and Psychologists	The FY 2024 Adopted budget adds a 1.0 social worker and a 1.0 psychologist position above the planning factor for one year. Funds for a 0.40 school psychologist are provided in FY 2024 for Child Find/PreK screenings.