



Annual Class Size Report October 2023

Board Policy IIB-R-1

“The greatest remedy in the world is change; and change implies the passing from the old to the new. It is also the only path that leads from the lesser to the greater, from the dream to the realty, from the wish to the heart’s desire fulfilled.”

Executive Summary

Board Policy IIB-R-1 states the following recommended criteria for evaluating class size:

Grade Level	Ratio
K	24:1
1-3	25:1
4-6	28:1
7-12	30:1

Every class offered in the school district is listed the appendix section of this report. The following is offered as an executive summary.

The average class size is calculated based on the actual number of students in a classroom with a teacher. The student / teacher ratio uses the total number of students in the school compared to the total number of licensed teachers who provide instruction to students. The student teacher ratio includes reading specialists, elective and specials teachers (art, music, technology, etc.) special education teachers, and other specialists (G/T and ELL) who teach children, and does not include paraprofessionals, counselors, administrators or any unlicensed staff. The average class size is typically larger than the student / teacher ratio because not all teachers are teaching all the time. Most teachers have a planning period.

Elizabeth High School

The average class size at EHS is 16 students per class. The average class size for core subject areas is 17. The student / teacher ratio for the school is 18:1. There are 3 classes offered at EHS that exceed the recommended 30:1 ratio.

The following is a listing of the classes that exceed a recommended 30:1 ratio

Sports for Life – 31 students
Team Sports – 37 students
Body Works – 34 students

Average class size for core subject areas are

Language Arts – 18	Science – 17
Mathematics – 19	Social Studies – 17

Elizabeth Middle School

The average class size at EMS is 20 students per class. The student / teacher ratio for the school is 28:1. There are 9 classes offered at EMS that exceed the recommended 30:1 ratio.

The following is a listing of the classes that exceed a recommended 30:1 ratio

Reading 6 th Grade – 31 students	Geography 6 th Grade – 32 students
Writing 6 th Grade – 31 students	Geography 6 th Grade – 32 students
Science 6 th Grade – 32 students	Prealgebra 7 th Grade – 31 students
Geography 6 th Grade – 32 students	World History 7 th Grade – 32 students
Studio Art 8 th Grade – 32 students	

Singing Hills Elementary School

The average class size at Singing Hills Elementary is 21 students per class. The student / teacher ratio is 16:1. The recommended ratio per Board Policy IIB-R-1 is compared with the actual class size:

<u>Grade Level</u>	<u>Recommended Ratio</u>	<u>Actual Ratio Singing Hills</u>
K	24:1	21:1
1-3	25:1	20:1
4-5	28:1	22:1

Running Creek Elementary School

The average class size at Running Creek Elementary is 21 students per class. The student / teacher ratio is 15:1. The recommended ratio per Board Policy IIB-R-1 is compared with the actual class size:

<u>Grade Level</u>	<u>Recommended Ratio</u>	<u>Actual Ratio Running Creek</u>
K	24:1	19:1
1-3	25:1	19:1
4-5	28:1	25:1

APPENDIX

Singing Hills Elementary School

Mrs. Carlisle	Kindergarten	21	
Mrs. Forsythe	Kindergarten	23	
Mrs. Holmes	Kindergarten	<u>21</u>	
		Total	65
Mrs. Roberts	1st Grade	22	
Ms. Lagomasino	1st Grade	24	
Ms. Fouts	1st Grade	24	
		Total	70
Mr. Wilson	2nd Grade	19	
Mrs. Battistoni	2nd Grade	20	
Mrs. Brunn	2nd Grade	20	
Mrs. Stout	2nd Grade	<u>21</u>	
		Total	80
Mrs. Lynch	3rd Grade	17	
Mrs. Rusk	3rd Grade	17	
Ms. McFarlin	3rd Grade	<u>18</u>	
		Total	52
Mrs. DeCristino	4th Grade	22	
Miss. Crossland	4th Grade	22	
Mrs. Strobel	4th Grade	<u>21</u>	
		Total	65
Ms. Midiri	5th Grade	22	
Ms. Hellmund	5th Grade	23	
Ms. Schmidt	5th Grade	<u>22</u>	
		Total	67
		Total student count	<u>399</u>

Running Creek Elementary School

KINDERGARTEN TOTAL 56

Theobald 19

Lenz 19

Agee 18

1 ST GRADE TOTAL 55

Schaben 19

Wilkinson 18

Muns 18

2 ND GRADE TOTAL 53

Conley 17

Herrick 18

VanEpps 18

3 RD GRADE TOTAL 46

Schuck 22

Barksdale 24

4 TH GRADE TOTAL 53

Papulias 27

Myers 26

5 TH GRADE TOTAL 48

Jones 23

Lamb 25

Total = 311

Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG#	
COMPUTERS			MUSIC			
	Computer Exploration (2)	16		Beginning Band 6	20	
	Computer Innovations (2)	12		Band 7	25	
	Comp. & Graphics	16		Band 8	21	
TECHNOLOGY (STEAM)	Yearbook 8	15		Beginning Orchestra 6	13	
				Orchestra 7	5	
				Orchestra 8	10	
				Choir 6	16	
	Into to Engineering 6 (2)	16		Choir 7	9	
	Engineering 7	11		Choir 8	9	
	Robotics 7	9	DRAMA			
	Woodwork 8	24				
	Engineering 8	12			Drama 6	25
					Drama 7	21
FINE ARTS				Drama 8	13	
	Intro to Art (2)	23	SCIENCE			
	Studio Art 8	32				
	3D Design	28			Science 6 (5)	29
	2D Art	25			Science 7 (5)	24
				Science 8 (5)	26	
LANGUAGE ARTS			SOCIAL STUDIES			
	Reading 6 (4)	29			Geography 6 (5)	29
	Adv. Reading 6	23			World Hist. 7 (5)	24
	Writing 6 (4)	29			Am. Hist. 8 (5)	26
	Adv. Writing 6	22	PHYSICAL ED			
	Writing 7 (4)	21				
	Adv. Writing 7	26			Health 6 (2)	24
	Reading 7 (4)	21			Health 7 (2)	22
	Adv. Reading 7	26			Health 8 (2)	21
	Reading 8	24			P.E. 6 (2)	27
	Adv. Reading 8	26			P.E. 7 (2)	21
	Writing 8 (4)	24			P.E. 8 (2)	24
	Adv. Writing 8	26				
				ADVISORY		
Credit Recovery	0		6th (6)		24	
			7th (6)		20	
MATH				8th (6)	22	
	Math 6 (4)	29				
	Adv. Math 6th	28	Average # of students per Core Class =		23	
	Math 7 (4)	22	Average # of students per Elective Class =		17	
	Pre-Algebra 6	1	Classes w/ 30+ Students		2	
	Pre-Algebra 7	31				
	Pre-Algebra 8 (4)	25	(#) The number of sessions taught, if more than one.			
	Algebra I	25				

Elizabeth High School

Dept	Course Name	Stud#	Dept	Course Name	Stud#
<u>Art</u>	Intermediate 2D	12	<u>Language</u>		
	AP 2-D Drawing	1	<u>Arts</u>	Lit & Composition 100 (5)	20
	AP 2-D Art and Design	4		CP Lit & Composition 100	27
	Foundational 2D Art (3)	27		Lit & Composition 200 (5)	20
	Foundational 3D Art (3)	21		CP Lit & Composition 200 (2)	19
	Graphic Design I - Photoshop (2)	19		Lit & Composition 300 (4)	26
	Intermediate 3D	9		Yearbook	16
				Lit Recovery	12
<u>Auto</u>	Automotive I (2)	24		Conceptual Language Arts 1	13
	Consumer Automotive	18		CE English 1021 (3)	19
	Automotive II (3)	21		CE Lit 1015 (2)	10
<u>Business</u>	CE Principles of Marketing	13		Conceptual Language Arts 2	17
	AP Computer Science Principles	7	<u>Math</u>	Integrated Math I (4)	22
	PC Application (2)	27		CE Calculus 2410	13
	Web Design (3)	25		CE College Algebra 1340 (2)	17
	Cyber Security	13		AP Statistics	16
<u>Elective</u>	CE Intro to Business (2)	18		CP Algebra II (3)	25
	CE-COS/ESTI AM S1	4		Integrated Math II (9)	22
	CE-COS/ESTI PM S1	1		Intermediate Math (2)	14
	Cardinal Recovery (3)	15		Conceptual Integrated II	23
	Picken's Tech AM S1	1	<u>Music</u>	AP Music Theory	8
	Picken's Tech PM S1	4		Bel Canto	8
	Cardinal Ground School (7)	22		Chamber Choir	16
	Nurse Aid Training Program (2)	9		Chorale	16
	Arapahoe Community College (4)	3		Cardinal Jazz Choir	8
	Student Internship 1 (6)	22		Concert Orchestra	19
	Student Council	30		Jazz Band	13
	Study Hall (8)	14		Concert Band	48
	Student Aide (2)	2		Small Ensemble	9
	Aviation Ground Training	6	<u>Physical Ed</u>	Intro Strength & Conditioning	21
	Agricultural Science	1		Health Education (2)	28
	<u>Fam/Con</u> Personal Finance (2)	25		Peer Support of Physical Ed.	12
	Child Development	12		Intro Women's Strength & Cond.	37
	Intro to Design	16		Sports Strength & Conditioning	20
				Women Strength & Conditioning	
	Culinary I: Culinary Nutrition (3)	23		(2)	17
<u>Science</u>	Culinary II: Intro to Catering (3)	17		Team Sports (2)	37
	Culinary III: Advance Catering	13		Sports for Life (2)	31
	Culinary IV: FCS Internship (3)	1		Body Works	34
	CE Intro to Teacher Education	17		Athletic Speed & Agility (2)	29
			<u>Technology</u>		
	Conceptual Biology	19	<u>Education</u>	Broadcasting Production (EZTV)	15
	Conceptual Physical Science	9		Principles of Engineer & Tech	14
	CP Anatomy & Physiology	13		Robotics & Automated Systems	9

	CP Physics	11		Intro to Drafting & Design	9
	Astronomy & World Impact	15		Applied Engineering Design	4
				Capstone: Engineering &	
	Biology (3)	21		Tech	1
	Chemistry	25		Video Production I (2)	20
			<u>Theatre</u>		
	CP Biology (3)	18	<u>Arts</u>	Dance A	7
	CP Chemistry	23		Technical Theater	14
	CP Physical Science (4)	20		Beginning Technical Theatre	17
	Environmental Science	18		Performance Theatre	10
	Forensic Science (3)	23		Theatre I	16
			<u>World</u>		
	Physical Science (5)	19	<u>Language</u>	Spanish I A (4)	21
	Water Science	6		Spanish II A (3)	14
	CE Chemistry 1111	6		Spanish III A (2)	12
<u>Social</u>					
<u>Studies</u>	CE Western Civilization 1310	17		Spanish IV A	9
	Art Through the Ages: History	11		CE Spanish 1011 (2)	17
	Architecture	15			
	Psychology I	14			
	World Geography(5)	25			
	AP Human Geography	20			
	World Wars	18			
	AP US Gov & Politics	3			
	Sociology	16	Average Student/Class		16
	US Government (3)	22			
	World History (5)	23			
	US History (5)	23			
			<u>Core</u>		
	Warfare	18	<u>Classes</u>	Lang/Arts	18
	Warfare	19		Math	19
	Alt. Government	13		Science	17
	Age of Exploration-Revolution	12		Social Studies	17
	CE US History 1210 (2)	14			
<u>SPED</u>	Learning Support (7)	9			
	Transitions	3	Classes 31+ Students		
	Life Skills Math/Pers Finance	9		Team Sports	37
	Life Skills Science	9		Sports for Life	31
	Life Skills Language Arts	10		Body Works	34
	Connections	9			
	Life Skills US History/Gov	10			
	AN English	6			
	AN Math	4			
	AN Social Studies	4			
	AN Science	5			
	AN Education	6			

STUDENT ENROLLMENT PARAMETERS (UPDATED – 12/99)

ASSUMPTIONS:

- Smaller class sizes are an important factor related to student learning.
- Smaller class sizes are most important in primary (K-3) grade levels, and consideration for additional staff when enrollment numbers are in the critical zone should be a priority.
- Para-educators are an important factor in providing efficient and effective operation of the school (ex. lunch and playground duty to free administrators and teachers to concentrate on other concerns). Para-educators may be especially useful for dividing classes into smaller work groups (ex. reading groups based on ability levels).
- In certain 7-12 classes, such as Science, Consumer/Family Studies, and Technology Education, smaller class sizes than those indicated below may be recommended in the interest of safety. If at all possible, computer class sizes should be limited to the number of computers in the room.

GUIDELINES:

- Because of many factors associated with growth, the parameters below DO NOT automatically dictate a specific action. However, the middle range of numbers specified (critical zones) for each instructional level represents the points at which discussions should begin concerning additional staffing (not when the maximums are reached).
- In applying the parameters below, consideration should also be given for special education students and teacher-student loads during the preceding two to four year period (ex. one grade or student class should not continuously remain larger than others).
- A new teacher normally will not be added after the first six weeks of school.
- When grade level counts trigger the addition of a new teacher - the instructional aide position at that grade level (2nd-6th) will normally be reassigned or eliminated.

PARAMETERS:

●●● Kindergarten ●●●	●●● Grades 1-3 ●●●	●●● Grades 4-6 ●●●	●●● Grades 7-12 ●●●
Recommended Max. Class Size = 24:1 <22:1 no instructional aide 22:1-24:1 one instructional aide >24:1 add new teacher (25th student - add teacher)	Recommended Max. Class Size = 25:1 <23:1 no instructional aide 23:1-25:1 one instructional aide >25:1 add new teacher (26th student - add teacher)	Recommended Max. Class Size = 28:1 <26:1 no instructional aide 26:1-28:1 one instructional aide >28:1 add new teacher (29th student - add teacher)	Recommended Max. Class Size = 30:1 (Average) <28:1 no instructional aide 28:1-30:1 one instructional aide >30:1 add new teacher (31st student - add teacher)
Ex.) 6 teachers = 144 max. students 145 students = 7th teacher new ratio = 20.7:1	Ex.) 6 teachers = 150 max. students 151 students = 7th teacher new ratio = 21.6:1	Ex.) 6 teachers = 168 max. students 169 students = 7th teacher new ratio = 24.2:1	Ex.) 6 teachers = 180 max. students 181 students = 7th teacher new ratio = 25.8:1

CAMPUS OFFICE PARAMETERS (UPDATED – 12/99)

ASSUMPTIONS:

The parameters identified below are established to guide decisions related to campus office personnel. They DO NOT automatically dictate a specific action.

The parameters will be used to project staffing needs based on actual student enrollments.

Decisions related to new personnel will be based on these parameters as well as other factors including: overall budget needs, current personnel in a particular campus office, additions to position responsibilities, and possible transitional personnel positions.

PARAMETERS:

●●● ADMINISTRATION ●●●	●●● COUNSELING ●●●	●●● SECRETARIES ●●●	●●● OTHER ●●●
Elementary (500-800) minimum: 1 Principal add .5 AP @ 550-600 add 1 AP @ 650-750 Middle School (675-800) minimum: 1 Principal 1 Assistant Principal add 1 AP @ 750-800 High School (500-1,000) minimum: 1 Principal 1 Assistant Principal 1 AP per 350 students add 1 AP @ 700 add 1 AP @ 1,050	Elementary (500-800) minimum: 1 Counselor 1 Couns. per 550 Students add .5 Couns. @ 825 (1 or 1.5 per school) Middle School (675-800) minimum: 1 Counselor 1 Couns. per 350 students add 1 Couns. @ 700 High School (500-1,000) minimum: 1 Counselor 1 Couns. per 300 students add 1 Couns. @ 600 add 1 Couns. @ 900	Elementary (500-800) probable: 1 Office manager 1 Secretary Middle School (675-800) probable: 1 Office manager 2 Secretaries High School (500-1,000) probable: 1 Office manager 2 Secretaries add 1 Sec. @ 600 add 1 Sec. @ 800 add 1 Sec. @ 1,000	K-12 Media Centers: minimum: 1 Media Specialist 1 Media Aide K-12 School Psychologists: minimum: 2.0 School Psychologists add .5 per 500 students (K-12) above 2,000 add 2.5 @ 2,500 add 3.0 @ 3,000

File: IIB

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Class Size

The board is aware that class size has a bearing upon effective teaching and student success. It therefore directs the superintendent to work with principals and the chief financial officer in establishing reasonable and equitable enrollment levels for all teachers and classes.

The board understands that achieving this is dependent upon the financial resources available to the district. In determining the size of various classes, the administration shall consider the following factors:

- 1) A class size which will help the teacher be most effective with all students in the class.
- 2) The experience of the teacher and their familiarity with district and school programs and policies, and the characteristics of the students in the class
- 3) Required preparation and grading time for the particular class.
- 4) Physical makeup of the classroom and its equipment to ensure the safety and well-being of the students and teacher.

The board shall at least annually review the sizes of all classes and make a determination as to the appropriateness of class sizes.