



# **Annual Class Size Report November 2021**

## **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 17 students per class. The average class size for core subject areas is 17. The student / teacher ratio for the school is 20:1. 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 – 33 students  
Concert Band – 31 students  
World History – 35 students

Average class size for core subject areas are

Language Arts – 17  
Mathematics – 17  
Science – 15  
Social Studies – 16

### **Elizabeth Middle School**

The average class size at EMS is 22 students per class. The student / teacher ratio for the school is 28:1. There are 31 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

6 <sup>th</sup> Grade Adv. Math – 35 students	7 <sup>th</sup> Grade Science – 31 students	8 <sup>th</sup> Grade Science – 34 students
7 <sup>th</sup> Grade World History – 33 students	7 <sup>th</sup> Grade Adv. Science – 32 students	8 <sup>th</sup> Grade Science – 32 students
7 <sup>th</sup> Grade Reading – 31 students	8 <sup>th</sup> Grade Algebra – 31 students	8 <sup>th</sup> Grade Adv.Science – 31 students
7 <sup>th</sup> Grade Reading – 31 students	8 <sup>th</sup> Grade Pre-Algebra – 31 students	8 <sup>th</sup> Grade Reading – 32 students
7 <sup>th</sup> Grade Adv. Reading – 31 students	8 <sup>th</sup> Grade Pre-Algebra – 31 students	8 <sup>th</sup> Grade Reading – 32 students
7 <sup>th</sup> Grade Writing – 31 students	8 <sup>th</sup> Grade Pre-Algebra – 32 students	8 <sup>th</sup> Grade Reading – 31 students
7 <sup>th</sup> Grade Writing – 31 students	8 <sup>th</sup> Grade American History – 35 students	8 <sup>th</sup> Grade Writing – 32 students
7 <sup>th</sup> Grade Adv. Writing – 31 students	8 <sup>th</sup> Grade American History – 31 students	8 <sup>th</sup> Grade Writing – 32 students
7 <sup>th</sup> Grade Science – 31 students	8 <sup>th</sup> Grade American History – 32 students	8 <sup>th</sup> Grade Writing – 33 students
7 <sup>th</sup> Grade Science – 31 students	8 <sup>th</sup> Grade American History – 32 students	Advisory – 33, 34, 32 – students

**Singing Hills Elementary School**

The average class size at Singing Hills Elementary is 20 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	22:1
1-3	25:1	21:1
4-5	28:1	20:1

**Running Creek Elementary School**

The average class size at Running Creek Elementary is 18 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	21:1
4-5	28:1	21:1

# APPENDIX

# Singing Hills Elementary School

## 2021-2022 Student Count

Mrs. Carlisle	Kindergarten	22	
Mrs. Dulin	Kindergarten	21	
Mrs. Holmes	Kindergarten	22	
	<b>Total</b>		65
Mrs. Adams	1st Grade	20	
Mrs.. Khoury	1st Grade	21	
Ms. Lederhos	1st Grade	20	
	<b>Total</b>		61
Mrs. Battistoni	2nd Grade	20	
Ms. Killebrew	2nd Grade	21	
Mrs. Stout	2nd Grade	20	
	<b>Total</b>		61
Mrs. Lynch	3rd Grade	20	
Mrs. Rusk	3rd Grade	24	
Ms. Stewart	3rd Grade	21	
	<b>Total</b>		65
Mrs. DeCristino	4th Grade	21	
Ms. Spence	4th Grade	21	
Ms. Green	4th Grade	19	
	<b>Total</b>		61
Mrs. Wygant	5th Grade	19	
Ms. Hellmund	5th Grade	21	
Ms. Schmidt	5th Grade	20	
	<b>Total</b>		60
	Total student count		373

# Running Creek Elementary School

## 2021-2022

### KINDERGARTEN TOTAL 56

Gregory	18
McWhorter	19
Agee	19

### 1<sup>ST</sup> GRADE TOTAL 39

Hackett	19
McKendree	20

### 2<sup>ND</sup> GRADE TOTAL 49

Cirbo	24
Gates	25

### 3<sup>RD</sup> GRADE TOTAL 38

Steinke	19
Jones	19

### 4<sup>TH</sup> GRADE TOTAL 60

DORRIS	19
SNIDER	21
BOSCO	20

### 5<sup>TH</sup> GRADE TOTAL 65

SCHWARZ	21
CONNER	22
Martinez	22

**TOTAL COUNT = 307**

# Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG#
<b>COMPUTERS</b>			<b>MUSIC</b>		
	Computer Exploration (2)	17		Beginning Band 6	20
	Computer Innovations (2)	16		Band 7	21
	Comp. & Graphics	25		Band 8	18
	Yearbook	18		Beginning Orchestra 6	11
<b>DRAMA</b>				Orchestra 7	7
	Drama 6	15		Orchestra 8	13
	Drama 7	24		Choir 6	12
	Drama 8	15		Choir 7	16
				Choir 8	23
			<b>SCIENCE</b>		
<b>TECHNOLOGY</b>				Science 6 (5)	25
	STEAM 6 (2)	14		Science 7 (4)	30
	STEAM 7 (2)	25		Adv. Science 7	32
	STEAM 8 (2)	24		Science 8 (4)	29
<b>FINE ARTS</b>				Adv. Science 8	31
	Intro to Art (2)	19	<b>SOCIAL STUDIES</b>		
	Studio Art 8	25		Geography 6 (5)	24
	3D Design	25		World Hist. 7 (5)	30
	2D Art	26		Am. Hist. 8 (5)	31
	Photography	25	<b>PHYSICAL ED</b>		
<b>LANGUAGE ARTS</b>				Health 6	20
	Reading 6 (4)	24		Health 7	25
	Adv. Reading 6	24		Health 8	25
	Writing 6 (4)	24		P.E. 6	18
	Adv. Writing 6	22		P.E. 7	26
	Writing 7 (4)	30		P.E. 8	24
	Adv. Writing 7	30		Sports & Games 6 (2)	25
	Reading 7 (4)	30		Sports & Games 7 (2)	26

<b>MATH</b>	Adv. Reading 7	30		Sports & Games 8 (2)	26
	Writing 8 (4)	32			
	Adv. Writing	29	<b>ADVISORY</b>		
	Reading 8 (4)	32		6th (5)	24
	Adv. Reading	29		7th (5)	30
				8th (5)	26
				8th WEB	22
	Math 6 (4)	19			
	Adv. Math 6th	29	Classes w/ 30+ Students		31
	Math 7 (5)	21	(#) Indicates the number of sessions taught, if more than one.		
	Pre-Algebra (6)	28			
	Algebra I	31			
				Average # of students per Core Class =	24
				Average # of students per Elective Class =	18
					21



# Elizabeth High School

<u>Department</u>	<u>Course/Sections</u>	<u>Stud #</u>		<u>Department</u>	<u>Course/Section</u>	<u>Stud #</u>
<u>Art</u>	Independent Study 3-D (2)	2		<u>Language Arts</u>	Basic Language Arts	10
	Drawing I	25			Lit & Composition 100 (3)	21
	Ceramics I (2)	16			CP Lit & Composition 100	25
	AP Studio Art 2-D	3			Lit & Composition 200 (3)	26
	AP Studio Art 3-D	1			CP Lit & Composition 200 (2)	26
	Independent Study 2-D Drawing	7			Lit & Composition 300 (4)	25
	Graphic Design I - Photoshop (3)	26			Lit & Composition 400 (4)	22
	Independent Study 2-D Design	3			AP Language and Composition (2)	12
	Foundational 2D Art (2)	29			Yearbook	13
	Foundational 3D Art	28			Lit Recovery (2)	13
	Painting I	28			Literature	6
	Art History	4			CE English Composition 1/2 (3)	17
	Independent Study Art	1			CE Literature 1	11
<u>Business</u>	AP Computer Science Principles	7			Conceptual Language Arts (2)	15
	Accounting Principles I	6		<u>Mathematics</u>	Algebra I Lab (4)	10
	Introduction to PC Application (3)	25			CP Algebra I (7)	20
	Website Design	28			Basic Mathematics	13
	Personal Finance & Investments	30			AP Calculus AB	9
	CE Introduction to Business	10			AP Statistics	22
	Cyber Security	3			CP Algebra II (5)	22
<u>Elective</u>	Cardinal Recovery	26			CP Geometry (4)	26
	Picken's Tech AM S1	8			Adv Algebra & Trigonometry	15
	Picken's Tech PM S1	17			Integrated Math II	17
	Study Hall	6			Pre-Algebra (3)	13
	Gifted Seminar	5			PreCalculus (2)	20
	Arapahoe Community College (5)	4			Applied Geometry	16
	Student Internship 1 (3)	3			Statistics	16
	Student Council	27		<u>Music</u>	AP Music Theory	6
	Study Hall (8)	13			Bel Canto	13
	Student Aide (2)	2			Chamber Choir	18
	Journalism-Media Communication	11			Choraliers	13
	Cardinal Ground School (7)	21			Jazz Choir	11
	Alt. Edmentum 1	19			Concert Orchestra	24
	Affective Ed	2			Jazz Ensemble	11
<u>Fam/Con Science</u>	Personal Finance (3)	14			Concert Band	31
	Personal Living (2)	23		<u>Physical Ed</u>	Intro Strength & Conditioning	12

<u>Department</u>	<u>Course/Sections</u>	<u>Stud #</u>	<u>Department</u>	<u>Course/Section</u>	<u>Stud #</u>
	Fashion & Interior Design	25		Health Education (3)	28
	Intro to Design	25		Peer Support of Physical Ed.	20
	Culinary I: Culinary Nutrition (2)	24		Intro Women's Strength & Cond.	22
	Culinary II: Intro to Catering (2)	22		Sports Strength & Conditioning (3)	22
				Women Strength & Conditioning	27
				Team Sports	27
				Sports for Life (3)	27
				Body Works	20
<u>Science</u>	Conceptual Physical Science	22	<u>Technology Ed</u>	Audio/Video Production I	24
	CP Anatomy & Physiology (2)	15		Filmmaking	9
	AP Physics 1	5		Broadcasting Production (EZTV)	18
	CP Physics	13		Principles of Engineer & Tech (2)	25
	Basic Science	9		Principles of Manufacturing	6
	AP Biology	8		Robotics & Automated Systems	7
	AP Chemistry	4		Intro to Drafting & Design	13
	Biology (3)	24		Applied Engineering Design	3
	Chemistry (2)	17		Capstone: Engineering & Tech	6
	CP Biology (3)	23	<u>Theatre Arts</u>	Technical Theater	10
	CP Chemistry (2)	19		Beginning Technical Theatre	26
	CP Physical Science (3)	22		Performance Theatre	8
	Environmental Science (2)	12		Theatre I	17
	Forensic Science (3)	25	<u>World Language</u>	Spanish I (4)	21
	Physical Science (3)	22		Spanish II (4)	21
	Conceptual Biology	13		Spanish III	25
	Anatomy and Physiology (2)	4		Spanish IV-Conv & Culture	2
<u>Social Studies</u>	AP US History	5			
	World Geography (5)	26			
	AP Human Geography	25	<b>Ave. Stud/Class: 17</b>		
	AP European History (2)	11			
	AP US Gov & Politics	8	<u>Core Classes</u>	Lang/Arts	17
	Colorado History	17		Math	17
	Psychology (2)	22		Science	15
	US Government (3)	31		Social Studies	16
	World History (5)	29			
	Basic US History/Government	7			

<i>Department</i>	<i>Course/Sections</i>	<i>Stud #</i>	<i>Department</i>	<i>Course/Section</i>	<i>Stud #</i>
	US History (3)	27	<u>Classes 31+ Students</u>		
	Global Crime	8		Concert Band	31
	National History Day	18		Sports for Life	33
	Alt. World Geography (2)	9		World History	35
	Alt. World History	12			
	Alt. US History	15			
	Alt. Government	10			
	Independent Study AP Psych	1			
<u>SPED</u>	Transitions (2)	4			
	LS: Reading & Writing Based (3)	7			
	LS: Math Based (3)	10			
	Life Skills Math/Pers Finance	9			
	Life Skills Science	6			
	Life Skills Language Arts	8			
	Connections	7			
	Life Skills US History/Gov	9			
	Basic Health	5			

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

File: IIB

Adopted May 20, 1981  
Revised September 9, 1999  
Revised March 10, 2014

## 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.