

Elizabeth School District C-1

Annual Class Size Report October 2018

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 19 students per class. The average class size for core subject areas is 23. The student / teacher ratio for the school is 20:1. There are 6 classes offered at EHS that exceed the recommended 30:1 ratio. A few of these courses are conducive to large classes such as music and physical education classes.

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

Lit & Comp 400 – 31 students	Sports and Fitness – 36 students
Lit & Comp 500 – 32 students	Study Hall – 36 students
US History – 31 students	Study Hall – 34 students

Average class size for core subject areas are

Language Arts – 23	Science - 22
Mathematics - 20	Social Studies - 24

Frontier High School

The average class size at FHS is 12 students per class. There are no classes that exceed 30 students in a class. This is one of the benefits of the alternative educational setting.

Elizabeth Middle School

The average class size at EMS is 28 students per class. The student / teacher ratio for the school is 28:1. There are 2 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

- Math 8 – 31 students
- Writing 8 – 31 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	19:1
4-5	28:1	23:1

Running Creek Elementary School

The average class size at Running Creek Elementary is 22 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	13:1
1-3	25:1	25:1
4-5	28:1	22:1

APPENDIX

Singing Hills Elementary School

2018-2019 Fall Class Size Report

Mrs. Harrell	Kindergarten	21	
Ms. Meadows	Kindergarten	21	
Mrs. Dulin	Kindergarten	21	
Total			
Mrs. Ivanich	1st Grade	18	
Ms. Khoury	1st Grade	19	
Mrs. Waggoner	1st Grade	17	
Total			54
Mrs. Battistoni	2nd Grade	19	
Mrs. Gridley	2nd Grade	19	
Ms. Shuman	2nd Grade	16	
Total			54
Mrs. Lorimer	3rd Grade	20	
Mrs. Rusk	3rd Grade	19	
Ms. Stewart	3rd Grade	20	
Total			59
Ms. Spence	4th Grade	23	
Ms. Johnson	4th Grade	24	
Mrs. Wygant	4th Grade	25	
Total			72
Ms. Green	5th Grade	23	
Mr. Mayes	5th Grade	23	
Ms. Schmidt	5th Grade	23	
Total			69
Total student count			371

Running Creek Elementary School

KINDERGARTEN:

Lawrence	13	
Klein	13	total = 26

1st Grade:

McKendree	26	
Martinez	25	total = 51

2nd Grade:

Dillavou	27	
Otte	28	total = 55

3rd Grade:

Agee	24	
Hunt	24	total = 48

4th Grade:

Klick	20	
Gregory	20	
Schwarz	19	total = 59

5th Grade:

Jones	24	
Cirbo	24	
Wolner	24	total = 72

Total Enrollment = 311

Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG#
COMPUTERS	Computer Exploration (2)	16	MUSIC	Beginning Band 6	20
	Computer Innovations (2)	15		Band 7	15
	Comp. & Graphics	24		Band 8	12
	Yearbook	20		Beginning Orchestra 6	10
DRAMA				Orchestra 7	12
	Drama 6	24		Orchestra 8	12
	Drama 7	15		Choir 6	14
	Drama 8	19		Choir 7	14
				Choir 8	16
TECHNOLOGY			SCIENCE		
	STEAM 6 (2)	19		Science 6 (5)	25
	STEAM 7 (2)	17		Science 7 (5)	26
	STEAM 8 (2)	18		Science 8 (6)	29
FINE ARTS			SOCIAL STUDIES		
	Intro to Art (2)	18		Geography 6 (5)	25
	Studio Art 8	28		World Hist. 7 (5)	26
	3D Design	25		Am. Hist. 8 (6)	29
	2D Art	26	PHYSICAL ED		
	Photography	28		Health 6	15
				Health 7	17
LANGUAGE ARTS				Health 8	23
	Reading 6 (4)	26		P.E. 6	17
	Adv. Reading 6	22		P.E. 7	21
	Writing 6 (4)	27		P.E. 8	21
	ADV. Writing 6	18		Sports & Games 6 (2)	23
	Writing 7 (4)	25		Sports & Games 7 (2)	25
	ADV. Writing 7	28		Sports & Games 8 (2)	24
	Reading 7 (4)	25	ADVISORY		
	Adv. Reading 7	28		6th (6)	21
	Writing 8 (4)	29		7th (6)	22
	Adv. Writing	25		8th (6)	24
	Reading 8 (4)	28			
	Adv. Reading	28			
MATH					
	Math (4)	25			
	Adv. Math 6th	17			
	Math 7 (3)	22			
	Pre-Algebra (5)	26			
	Algebra I	26			

(#) Indicates the number of sessions taught, if more than one.

Average # of students per Core Class =	28
Average # of students per Elective Class =	18

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>	Drawing I (3)	23	<u>Mathematics</u>	AP Calculus AB	10
	Ceramics I (3)	21		AP Statistics (2)	29
	Ceramics II	21		Algebra Math Lab (4)	12
	Portfolio Art 2-D	19		<i>Pre-Algebra (2)</i>	22
	Portfolio Art 3-D	13		<i>CP Algebra I (7 Teams)</i>	20
	AP Studio Art 2-D	11		<i>CP Algebra II (4)</i>	29
	AP Studio Art 3-D	2		<i>CP Geometry (6)</i>	24
	Graphic Design (2)	24		<i>Adv Algebra & Trig</i>	15
<u>Business</u>	Accounting I	14	<i>Integrated Math II (3)</i>	17	
	Bus. Foundations (2)	23	<i>Pre-Calculus (2)</i>	22	
	Management & Leader.	15	Basic Math	3	
	Computer Appls I (4)	26	<u>Music</u>	Bel Canto	15
	Computer Appls II	25		Chamber Choir	16
	Computer Sci. Princ.	11		Choraliers	26
		Jazz Choir		2	
		Concert Orchestra		27	
		Jazz Ensemble		15	
<u>Fam/Cons</u>	Foods I (4)	23	Marching Band*	39	
	Foods II (2)	20	Piano I	10	
	Foods III	22	Piano II	5	
	Fashion/Clothing I	24	AP Music Theory	3	
	Teacher Cadet	7	<u>Physical Ed.</u>	Aerobics	19
	Personal Finance(3)	20		Adv. Sports & Fitness	20
	Personal Living	29		Adv. Weight Training	21
				Health Education (4)	25
		Intro. Women's Wtg.		27	
		Intro. Wtg. Training		29	
		PEER Sport & Fitness		24	
		Sports & Fitness (2)*		31	
<u>Language Arts</u>	AP English Language (2)	19	Sports Str & Cond. (2)	22	
	AP English Literature	13	Women's Str & Cond (2)	12	
	<i>CP Lit & Comp 100 (2)</i>	27	<u>Social Studies</u>	AP European History	9
	CP Lit & Comp 200 (3)	20		AP Human Geog. (2)	19
	Creative Writing I	27		AP US History	8
	<i>Lit & Comp 100 (6)</i>	22		Colorado History	14
	<i>Lit & Comp 200 (4)</i>	25		Modern Studies	23
	<i>Lit & Comp 300 (5)</i>	24		Psychology I	27
	<i>Lit & Comp 400 (5)*</i>	30		Sociology	22
	<i>Lit & Comp 500 (2)*</i>	25		World Wars	22
	Public Speaking	24		<i>US Government</i>	24
Yearbook Production	15	<i>US History (6)*</i>		28	
Basic Language Arts	7				

<u>Department</u>	<u>Course/Sections</u>	<u>Stud #</u>			
				<i>World Geography (6)</i>	26
				<i>World History (6)</i>	22
<u>Science</u>	AP Biology (2)	13	<u>Department</u>	<u>Course /Section</u>	<u>Stud #</u>
	AP Chemistry	10	<u>Theatre Arts</u>	Beg. Tech Theatre	15
	AP Physics C	18		Perf. Tech Theatre	9
	Astronomy	22		Performance Theatre	7
	<i>Biology (4)</i>	19		Theatre I	18
	<i>Chemistry (4)</i>	18			
	CP Anatomy/Phys (3)	17	<u>World</u>		
	<i>CP Biology (3)</i>	21	<u>Language</u>	Spanish I (7)	29
	<i>CP Chemistry (2)</i>	17		Spanish II (3)	21
	<i>CP Physical Science (3)</i>	26		Spanish III	18
	Environmental Sci.	25		Spanish IV	12
	Forensic Science	28	<u>Electives</u>	Gifted & Talented	7
	<i>Physical Science (5)</i>	22		Student Council	28
				Student Internship	5
<u>Technology Ed.</u>	Adv. Tech./Multi Media	16		Study Hall (11)*	24
	Fund of Technology (3)	22		Learning Support (8)	10
	Aud. Visual Prod. I	23			
	Aud. Visual Prod. III (2)	13			
	Robotics	29	<u>Ave.</u>		
			<u>stud/class:</u>	19	
*= Sect. w/31+	Lit & Comp 400 (2)	31			
	Lit & Comp 500	32			
	Sports & Fitness	33			
	Study Hall (2)	36			
		34			
	US History (3)	31			

Frontier High School

<u>Course Name</u>	<u>Term</u>	<u>Student #</u>	<u>Course Name</u>	<u>Term</u>	<u>Student #</u>
IS Online	Q1	11	IS Online	Q2	11
Wood Crafts	Q1	6	Wood Crafts	Q2	6
Art* (2)	Q1	10	Art* (2)	Q2	9
Creative Writing I	Q1	6	Creative Writing I	Q2	5
Literature & Comp II	Q1	6	Literature & Comp II	Q2	5
Language Arts 200* (2)	Q1	19	Language Arts 200	Q2	6
OPP Reading	Q1	5	Language Arts 100	Q2	13
Literature & Comp I	Q1	15	OPP Reading	Q2	5
Algebra II	Q1	7	Literature & Comp I	Q2	15
Math Fundamentals	Q1	3	Algebra II	Q2	7
Geometry	Q1	9	Math Fundamentals	Q2	3
Algebra I	Q1	17	Geometry	Q2	9
Health* (2)	Q1	21	Algebra I	Q2	17
Sports Fitness	Q1	16	Health* (2)	Q2	21
Environmental Science	Q1	6	Sports Fitness	Q2	16
Physical Chemistry	Q1	12	Environmental Science	Q2	7
Biology	Q1	10	Physical Chemistry	Q2	12
Experiment in Science	Q1	9	Biology	Q2	10
Earth and Space	Q1	17	Experiment in Science	Q2	8
Weapons and Armor	Q1	23	Earth and Space	Q2	16
Warfare	Q1	13	Weapons and Armor	Q2	23
U.S. Government	Q1	13	Warfare	Q2	13
U.S. History* (2)	Q1	24	U.S. Government	Q2	12
Foods	Q1	5	U.S. History* (2)	Q2	18
Personal Economics	Q1	11	Foods	Q2	5
Personal Living	Q1	8	Personal Economics	Q2	10
Access* (6)	Q1	42	Personal Living	Q2	8
Consumer Sciences	Q1	12	Access* (6)	Q2	41
Sociology of Fiction	Q1	10	Consumer Sciences	Q2	11
Coding	Q1	12	Sociology of Fiction	Q2	9
Independent Hockey	Q1	1	Coding	Q2	12
<u>Average Class Size</u>		12	Independent Hockey	Q2	1
*indicates combined classes			<u>Average Class Size</u>		11
			*indicates combined classes		

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