

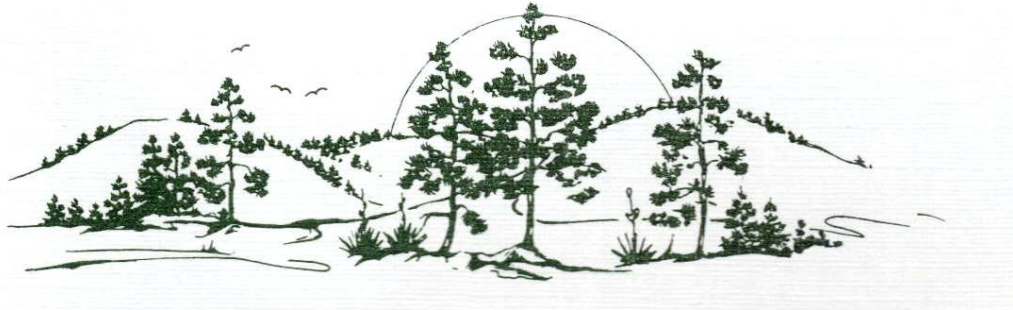
Elizabeth School District C-1

Annual Class Size Report

October 2016

Board Policy IIB-R-1

Elizabeth School District C-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 reality, 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 20 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 12 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

PreCalculus – 31 students	Study Hall – 35 students
Choraliers – 31 students	Study Hall – 33 students
Marching Band – 38 students	Study Hall – 31 students
Spanish III – 31 students	Study Hall – 34 students
Study Hall – 35 students	Football – 54 students
Study Hall – 33 students	
Study Hall – 31 students	

Average class size for core subject areas are

Language Arts – 22	Science - 20
Mathematics - 21	Social Studies - 22

Frontier High School

The average class size at FHS is 14 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 25 students per class. The student / teacher ratio for the school is 26:1. There are 7 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

- Break a Leg – 32 students
- Photography/Yearbook – 31 students
- Studio Art 8 – 32 students
- 3D Design – 32 students
- 2D Art – 33 students
- Algebra I – 33 students
- Choir 7 – 35 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	16:1
1-3	25:1	21:1
4-5	28:1	24:1

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	22:1
1-3	25:1	20:1
4-5	28:1	21:1

APPENDIX

Singing Hills Elementary School

2016-2017 Student Count

Mrs. Ivanich	Kindergarten	16
Mrs. Samson	Kindergarten	17
Ms. Shaffer	Kindergarten	16
Total		49
Mrs. Forsythe	1st Grade	19
Ms. Meadows	1st Grade	19
Mrs. Waggoner	1st Grade	19
Total		57
Mrs. Battistoni	2nd Grade	23
Ms. Green	2nd Grade	22
Ms. Viburg	2nd Grade	22
Total		67
Mrs. deCastro	3rd Grade	19
Mrs. Lorimer	3rd Grade	20
Mrs. Rusk	3rd Grade	20
Mrs. Tombre	3rd Grade	22
Total		81
Ms. Spence	4th Grade	23
Ms. Stewart	4th Grade	23
Mrs. Wygant	4th Grade	21
Total		67
Mrs. Love	5th Grade	25
Mr. Mayes	5th Grade	26
Mrs. Stovall	5th Grade	25
Total		76
Total student count		397

Running Creek Elementary School

2016-2017 CLASS NUMBERS

KINDERGARTEN

KLEIN	23	
LAWRENCE	22	
		TOTAL 45

1ST GRADE

McKENDREE	21	
MARTINEZ	21	
		TOTAL 42

2ND GRADE

OTTE	19	
JIBLITS	19	
DILLAVOU	20	
		TOTAL 58

3RD GRADE

AGEE	22	
METHARD	19	
ORTIZ	19	
		TOTAL 60

4TH GRADE

KLICK	23	
JOHNSON	20	
GREGORY	23	
		TOTAL 66

5TH GRADE

WOLNER	21	
ALLEN	20	
CIRBO	21	
		TOTAL 62

TOTAL	333	
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Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG#
COMPUTERS	Plugged In (2)	27	MUSIC	Beginning Band 6	24
	Computer Design 7	27		Band 7	18
	Comp. & Graphics	27		Band 8	14
				Beginning Orchestra 6	13
		Orchestra 7		12	
		Orchestra 8		15	
DRAMA	DRAMAniacs	30		Choir 6	16
	Break a Leg	32		Choir 7	35
	The Show Must Go On	27		Choir 8	21
TECHNOLOGY	STEM 6	27		SCIENCE	Science 6 (5)
	STEM7	27	Science 7 (10)		26
	STEM 8	27	Science 8 (5)		28
FINE ARTS	Photography/Yearbook	31	SOCIAL STUDIES	Geography 6 (5)	27
	Intro to Art (2)	28		Wld Hist 7 (6)	26
	Studio Art 8	32		Am Hist 8 (5)	28
	3D Design	32	PHYSICAL ED	Health 6 (2)	17
	2D Art	33		P.E. 6th (2)	22
		Health 7 (2)		24	
		P.E. 7 (2)		25	
		Health 8 (2)		18	
		P.E. 8 (2)	23		
LANGUAGE ARTS	Reading 6 (4)	28	ADVISORY	6th (7)	19
	Adv. Reading 6	23		7th (7)	23
	Writing 6 (4)	28		8th (6)	23
	ADV. Writing 6	23			
	L.A. 7 (8)	25			
	Adv. L.A. (2)	27			
	Reading 8 (4)	28			
	Adv. Reading 8	27			
	Writing 8 (4)	28			
	Adv. Writing 8	27			
MATH	Math 6 (4)	30			
	Math 7 (9)	26			
	Pre-Algebra (6)	26			
	Algebra 1 (2)	33			

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

Average # of students per Core Class =	27
Average # of students per Elective Class =	24
Student/Teacher Core Class Ratio =	27:1
Student/Teacher Elective Class Ratio =	24:1

Elizabeth High School

Department	Course/Sections	Stud #	Department	Course /Section	Stud #	
<u>Art</u>	Drawing I (3)	23	<u>Mathematics</u>	AP Calculus AB	30	
	Drawing II	14		AP Calculus BC	16	
	Ceramics I	24		AP Statistics (2)	19	
	Ceramics II	23		Algebra Math Lab (2)	10	
	Sculpture (2)	14		<i>Pre-Algebra (2)</i>	14	
	Portfolio Art 2-D	12		<i>CP Algebra I (5 Teams)</i>	29	
	Portfolio Art 3-D	6		<i>CP Algebra II (5)</i>	23	
	AP Studio Art 2-D	8		<i>CP Geometry (7)</i>	24	
	AP Studio Art 3-D	5		<i>Adv Algebra & Trig</i>	26	
	Graphic Design (2)	28		<i>Integrated Math II</i>	23	
<u>Business</u>	Accounting I	12		<i>Pre-Calculus (2)*</i>	30	
	Bus. Foundations (3)	27		Basic Math	6	
	Bus. Finance & Invest	11		<u>Music</u>	Bel Canto	21
	Mang. & Leadership	10			Chamber Choir	14
	Computer Appls I (5)	28	Choraliers *		31	
	Computer Appls II	25	Jazz Choir		9	
<u>Fam/Cons Science</u>	Foods I (3)	21	Concert Orchestra		22	
	Foods II (2)	22	Jazz Ensemble		13	
	Foods III	12	Marching Band*		38	
	Child Development	26	Piano I (2)		11	
	Personal Finance(2)	27	AP Music Theory		8	
	Personal Living	25	<u>Physical Ed.</u>		Aerobics	13
Teacher Cadet	9	Adv. Sports & Fitness		16		
<u>Language Arts</u>	AP English Language (2)	24		Adv. Weight Training	24	
	AP English Literature	13		Health Education (5)	23	
	<i>CP Lit & Comp 100 (3)</i>	24		Intro. Women's Wtg.	28	
	CP Lit & Comp 200 (3)	23		Intro. Wtg. Training (2)	25	
	Creative Writing I	20		PEER Sport & Fitness	27	
	<i>Lit & Comp 100 (5)</i>	24		Sports & Fitness	22	
	<i>Lit & Comp 200 (5)</i>	28	<u>Social Studies</u>	AP European History	9	
	<i>Lit & Comp 300 (4)</i>	23		AP Govt & Politics: US	14	
	<i>Lit & Comp 400 (5)</i>	23		AP Human Geog. (2)	19	
	<i>Lit & Comp 500 (2)</i>	20		AP US History (2)	16	
	Public Speaking	28		Colorado History	28	
	Yearbook Production	18		Psychology I (3)	27	
	Basic Language Arts	13		World Wars (2)	26	
				<i>US Government (3)</i>	27	
		<i>US History (8)</i>	25			
		<i>World Geography (6)</i>	25			
		<i>World History (8)</i>	22			

<u>Department</u>	<u>Course/Sections</u>	<u>Stud</u>	<u>Department</u>	<u>Course /Section</u>	<u>#</u>
<u>Science</u>	Anatomy/Phys (2)	20	<u>Theatre Arts</u>	Beg. Tech Theatre	27
	AP Biology	26		Perf. Tech Theatre	8
	AP Chemistry	8		Performance Theatre	6
	AP Physics C	18	Theatre I	20	
	Astronomy	25	<u>World Language</u>	Spanish I (5)	29
	<i>Biology (5)</i>	23		Spanish II (5)	22
	<i>Chemistry (3)</i>	18		Spanish III*	28
	<i>CP Biology (3)</i>	26		Spanish IV	6
	<i>CP Chemistry (4)</i>	20		<u>Electives</u>	Student Council
	<i>CP Physical Science (3)</i>	28	Study Hall (10)*		32
	<i>CP Physics</i>	13	Sports - Football*		54
	Environmental Sci. (2)	18	Sports - Gymnastics		24
	<i>Physical Science (5)</i>	21	Learning Support (8)		7
<u>Technology Ed.</u>	Adv. Tech./Multi Media	10	<i>Ave. stud/class: 20</i>		
	Fund of Technology (3)	27			
	Aud. Visual Prod. I (2)	15			
	Aud. Visual Prod. III	13			
	Robotics	15			

Frontier High School

<u>Course Name</u>	<u>Term</u>	<u>Student #</u>	<u>Course Name</u>	<u>Term</u>	<u>Student #</u>
20th Century+ History	Q1	13	20th Century+ History	Q2	14
Access* (6)	Q1	56	Access* (6)	Q2	57
Algebra I	Q1	14	Algebra I	Q2	14
Architecture	Q1	12	Architecture	Q2	12
Art* (2)	Q1	17	Art* (2)	Q2	18
Biology* (2)	Q1	21	Biology* (2)	Q2	21
Computer Applications I	Q1	12	Computer Applications I	Q2	14
Creative Writing I* (2)	Q1	15	Creative Writing I* (2)	Q2	16
Dynamics of Reading	Q1	11	Dynamics of Reading	Q2	11
Earth and Space	Q1	17	Earth and Space	Q2	17
Environmental Science* (2)	Q1	28	Environmental Science* (2)	Q2	29
Foods	Q1	13	Foods	Q2	13
Geometry	Q1	16	Geometry	Q2	17
Health	Q1	10	Health	Q2	10
Integrated Math 3/4	Q1	16	Integrated Math 3/4	Q2	16
IS Online	Q1	8	IS Online* (2)	Q2	10
Language Arts 200	Q1	18	Language Arts 200	Q2	18
Literature & Comp I	Q1	13	Literature & Comp I	Q2	13
Literature & Comp II	Q1	11	Literature & Comp II	Q2	11
Math Fundamentals	Q1	1	Math Fundamentals	Q2	1
Math Lab	Q1	1	OPP English	Q2	5
Opp English	Q1	5	OPP Independent Study	Q2	4
OPP Independent Study	Q1	4	OPP Reading	Q2	1
OPP Reading	Q1	1	OPP Social Studies	Q2	1
OPP Social Studies	Q1	1	Personal Finance	Q2	18
Personal Finance	Q1	18	Physics	Q2	12
Physics	Q1	13	Pre-Algebra	Q2	5
Pre-Algebra	Q1	4	Science Fiction	Q2	13
Science Fiction	Q1	13	Sports Fitness* (2)	Q2	30
Sports Fitness* (2)	Q1	31	Topics in Science	Q2	1
Topics in Science	Q1	1	Topics in Social Studies	Q2	13
Topics in Social Studies	Q1	13	U.S. Government	Q2	16
U.S. Government	Q1	15	U.S. History	Q2	14
U.S. History	Q1	14	World Geography* (2)	Q2	22
World Geography* (2)	Q1	21	World History	Q2	18
World History	Q1	18	<u>Average Class Size</u>		15

Average Class Size

*indicates combined classes

*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.