

Elizabeth School District C-1

Annual Class Size Report

April 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 20. 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

Creative Writing – 33 students	Adv. Weight Training – 31 students
CP Lit & Comp 100 – 32 students	Intro. To Women's Weights – 33 students
CP Geometry - 31 students	Anat. & Physiology – 32 students
Symphonic Wind Ens. – 31 students	World History – 32 students
PEER Sports & Fitness – 38 students	Study Hall – 34 students
Adv. Sports & Fitness – 32 students	Study Hall – 34 students

Average class size for core subject areas are

Language Arts – 24	Science - 21
Mathematics - 23	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 23 students per class. The student / teacher ratio for the school is 23:1. There are 8 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

LA 8 – 31 students
LA 8 – 31 students
Reading 6 – 31 students
Pre-Algebra – 32 students
Pre-Algebra – 32 students
Science 6 – 32 students
Science 7 – 31 students
Geography – 32 students

Singing Hills Elementary School

The average class size at Singing Hills Elementary is 22 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	18:1
1-3	25:1	22:1
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	23:1
1-3	25:1	20:1
4-5	28:1	21:1

APPENDIX

Singing Hills Elementary School

Mrs. Forsythe	1st Grade	18	
Mrs. Marston	1st Grade	21	
Ms. Meadows	1st Grade	<u>21</u>	
		Total	60
Mrs. Battistoni	2nd Grade	25	
Mrs. Calnan	2nd Grade	25	
Ms. Green	2nd Grade	<u>26</u>	
		Total	76
Mrs. deCastro	3rd Grade	20	
Mrs. Lorimer	3rd Grade	19	
Ms. Viburg	3rd Grade	<u>19</u>	
		Total	58
Mrs. Hornung	4th Grade	24	
Ms. Stewart	4th Grade	25	
Mrs. Wygant	4th Grade	<u>24</u>	
		Total	73
Mrs. Love	5th Grade	25	
Mr. Mayes	5th Grade	25	
Ms. Spence	5th Grade	<u>24</u>	
		Total	<u>74</u>
		Total student count	<u>396</u>

Running Creek Elementary School

Class Size Report

Spring

Running Creek Elementary 2015-2016

Kindergarten	22	
Kindergarten	23	Total 45

1 st Grade	20	
1 st Grade	15	
1 st Grade	18	Total 53

2 nd Grade	19	
2 nd Grade	20	
2 nd Grade	20	Total 59

3 rd Grade	22	
3 rd Grade	24	
3 rd Grade	21	Total 67

4 th Grade	19	
4 th Grade	19	
4 th Grade	19	Total 57

5 th Grade	25	
5 th Grade	25	
		Total 50

Total	331
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Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG#
COMPUTERS	Zine	13	MUSIC	Beginning Band 6	19
	Plugged In (2)	18		Band 7	16
	Computer Design 7	15		Band 8	16
	Comp. & Graphics	24		Beginning Orchestra 6	12
	Yearbook	19		Orchestra 7	19
DRAMA	DRAMAniacs	15		Orchestra 8	9
	Break a Leg	28		Choir 6	12
	The Show Must Go On	21		Choir 7	14
TECHNOLOGY	Innovation & Engineering	21	SCIENCE	Choir 8	22
	Robotics	22		Science 6 (5)	30
	Engineering (2)	25		Science 7 (5)	27
	Space Tech	16	SOCIAL STUDIES	Science 8 (6)	27
	Electronics	24		Geography 6 (5)	29
FINE ARTS	Photography	29		Wld Hist 7 (5)	27
	Intro to Art (2)	23	PHYSICAL ED	Am Hist 8 (6)	27
	Advanced Art 8	28		Health 6 (2)	20
	3D Design	18		P.E. 6th (2)	20
	2D Art	20		Health 7 (2)	20
WORLD LANGUAGE	Spanish 6	7		P.E. 7 (2)	15
	Spanish Exploration	15		Health 8 (2)	21
	Spanish 7	9	ADVISORY	P.E. 8 (2)	22
	Spanish 8	14		6th (6)	21
	Spanish 1 8	21		7th (5)	27
LANGUAGE ARTS	Reading 6 (4)	30		8th (8)	19
	Adv. Reading 6	26	(#) Indicates the number of sessions taught, if more than one.		
	Writing 6 (4)	29			
	ADV. Writing 6	28	Average # of students per Core Class = 27		
	Reading 7 (4)	27			
	Adv. Reading 7	25	Average # of students per Elective Class = 18		
	Writing 7 (4)	26			
	Adv. Writing 7	28	Student/Teacher Core Class Ratio = 27:1		
	L.A. 8 (5)	27			
	Adv. L.A. 8	28	Student/Teacher Elective Class Ratio = 18:1		
MATH	Math 6 (4)	28			
	Math 7 (5)	26			
	Pre-Algebra (5)	28			
	Algebra 1 (2)	25			

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 (2)	24	<u>Mathematics</u>	AP Calculus AB	21
	Drawing II	20		AP Statistics	14
	Ceramics I	21		Algebra Math Lab (3)	15
	Ceramics II (3)	12		<i>Pre-Algebra (2)</i>	15
	Portfolio Art 2-D	15		<i>CP Algebra I (5 Teams)</i>	30
	Portfolio Art 3-D	10		<i>CP Algebra II (5)</i>	22
	AP Studio Art 2-D	3		Geometry Math Lab (2)	19
	AP Studio Art 3-D	1		<i>CP Geometry (5)*</i>	26
	Graphic Design II	27		<i>Adv Algebra & Trig (2)</i>	28
<u>Business</u>	Accounting I	7		<i>Integrated Math II (2)</i>	23
	Bus. Marketing	12		<i>Pre-Calculus (3)</i>	23
	Bus. Finance & Invest	11		Basic Math	13
	Bus. Law & Ethics	7	<u>Music</u>	Bel Canto	21
	Computer Appls I (3)	21		Chamber Choir	23
	Computer Appls II	26		Choraliers	22
<u>Fam/Cons Science</u>	Fashion/Clothing	19		Jazz Choir	13
	Foods I (3)	22		Concert Orchestra	28
	Foods II	23		Jazz Ensemble	15
	Foods III	23		Symphonic Winds*	31
	Child Development	28		Piano I (2)	10
	Personal Finance(2)	25		Piano II	9
	Personal Living	25		AP Music Theory	18
<u>Language Arts</u>	Interior Design	14	<u>Physical Ed.</u>	Aerobics	21
	AP English Language (2)	16		Adv. Sports & Fitness*	32
	AP English Literature	15		Health Education (3)	25
	<i>CP Lit & Comp 100 (1)*</i>	32		Intro. Women's Wtg.*	33
	CP Lit & Comp 200 (2)	24		Adv. Wtg. Training (3)	26
	Creative Writing I (2)*	28		Sports Strength & Cond.	24
	<i>Lit & Comp 100 (7)</i>	22		PEER Sport & Fitness*	38
	<i>Lit & Comp 200 (5)</i>	22		Sports & Fitness (2)*	30
	<i>Lit & Comp 300 (5)</i>	25	<u>Social Studies</u>	Women's Weights	9
	<i>Lit & Comp 400 (4)</i>	26		Basic Health	9
	<i>Lit & Comp 500</i>	30		AP European History	13
	Public Speaking	9		AP Govt & Politics: US	10
	Yearbook Production	20		AP US History (2)	14
	Basic Language Arts	15		Colorado History	28
				Psychology II	19
				Sociology	30
				Pre-AP World History	25
				<i>US Government (3)</i>	27
				<i>US History (4)</i>	22

World History (8)	24
Basic US History/Gov	17

<i>Department</i>	<i>Course/Sections</i>	<i>Stud #</i>	<i>Department</i>	<i>Course /Section</i>	<i>Stud #</i>
<u>Science</u>	Anatomy/Phys *	32	<u>Theatre Arts</u>	Beg. Tech Theatre	26
	AP Biology	11		Perf. Tech Theatre	7
	AP Chemistry	7		Performance Theatre	7
	AP Physics C	15		Theatre II	4
	Astronomy	24			
	Biology (4)	17	<u>World Language</u>	Spanish I (4)	25
	Chemistry (4)	19		Spanish II (5)	21
	CP Biology (3)	25		Spanish III	17
	CP Chemistry (3)	20		Spanish IV	10
	CP Physical Science (3)	24			
	CP Physics	20	<u>Electives</u>	Student Council	22
	Environmental Science	22		Study Hall (16)*	25
	Forensic Science	22		Sports - Wrestling	30
	Physical Science (2)	26		Learning Support (9)	5
	Basic Science	14			
<u>Technology Ed.</u>	Adv. Technology	22			
	Fund of Technology (2)	20			
	Multi-Media	14			
	Robotics	9			
	Materials Technology	10			

Frontier High School

<u>COURSE TITLE - QUARTER 3</u>	<u>Student #</u>	<u>COURSE TITLE - QUARTER 4</u>	<u>Student #</u>
Access* (6)	45	Access* (6)	46
Algebra I* (2)	18	Algebra I* (2)	19
Art	12	Art	12
Botany	15	Botany	15
Comparative Religions	11	Comparative Religions	12
Computer Graphics	10	Computer Graphics	11
Connected Language Arts 100	14	Connected Science	14
Connected Science	14	Connected Language Arts 100	14
Connected Social Studies	14	Connected Social Studies	14
Creative Writing I	13	Creative Writing I	12
Dynamics of Reading	13	Dynamics of Reading	13
Earth and Space	13	Earth and Space	12
Economics	9	Economics	9
Environmental Science	6	Environmental Science	6
Ethics in Science	8	Ethics in Science	8
Geometry	14	Geometry	14
Independent Living	5	Independent Living	5
Integrated Math 3/4	8	Integrated Math 3/4	9
IS Online	14	IS Online	15
Language Arts 200	15	Language Arts 200	15
Literature & Comp I* (2)	13	Literature & Comp I* (2)	14
Literature & Comp II	10	Literature & Comp II	10
Math Fundamentals	4	Math Fundamentals	4
Online Health Sem 2	1	Online Health Sem 2	1
OPP Independent Study	2	OPP Independent Study	2
Personal Finance	8	Personal Finance	8
Physical Science	8	Physical Science	8
Science of Fiction	18	Science of Fiction	19
Sports Fitness* (2)	19	Sports Fitness* (2)	19
Topics in History	2	Topics In History	2
U.S. Government	5	U.S. Government	5
U.S. History* (2)	18	U.S. History* (2)	19
Work Study I	2	Work Study I	2
World History	12	World History	12
Zoology	12	Zoology	13
Average Class Size (3 Quarter)	12	Average Class Size (4 Quarter)	12
*indicates combined classes		* indicates combined classes	

File: IIB

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Elizabeth School District - I

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.

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