

Elizabeth School District C-1

Annual Class Size Report April 2015

Board Policies IIB and 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 directs the superintendent to work with principals and the chief financial officer in establishing reasonable and equitable enrollment levels for all teachers and classes.

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 21 students per class. The average class size for core subject areas is 21. The student / teacher ratio for the school is 20:1. There are 13 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

CP Algebra – 32 students	Study Hall – 32 students
CP Algebra – 33 students	Study Hall – 33 students
Choraliers – 41 students	Study Hall – 31 students
Adv Sports & Fitness – 32 students	Study Hall – 36 students
PEER Sports & Fitness – 33 students	Study Hall – 33 students
Sports – Wrestling – 33 students	Study Hall – 33 students
Pre AP World History – 31 students	Study Hall – 34 students

Average class sizes for core subject areas are

Language Arts – 21	Science - 19
Mathematics - 21	Social Studies - 23

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 22 students per class. The student / teacher ratio for the school is 24:1. 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

Adv. LA 7 – 31 students
Writing 8 – 35 students
Science 7 – 34 students
Science 8 – 32 students
World History – 31 students
World History – 31 students
Beginning Band – 32 students
WEB – 34 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	19:1
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 20 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	17:1
1-3	25:1	22:1
4-5	28:1	20:1

APPENDIX

Singing Hills Elementary School

2014-2015 Student Count

Mrs. Meadows	Kindergarten	19
Mrs. Postma	Kindergarten	20
Mrs. Samson	Kindergarten	19
Total		58
Mrs. Marston	1st Grade	23
Mrs. Steers	1st Grade	22
Ms. Scully	1st Grade	22
Total		67
Mrs. Green	2nd Grade	18
Ms. Minch	2nd Grade	20
Ms. Viburg	2nd Grade	21
Total		59
Mrs. Battistoni	3rd Grade	23
Mrs. deCastro	3rd Grade	22
Mrs. Lorimer	3rd Grade	23
Total		68
Mrs. Hornung	4th Grade	24
Ms. Stewart	4th Grade	23
Mrs. Wygant	4th Grade	22
Total		69
Mrs. Luke	5th Grade	27
Mr. Mayes	5th Grade	25
Ms. Spence	5th Grade	26
Total		78
Total student count		399

Running Creek Elementary School

Class Size Report Running Creek Elementary 2014-2015

Kindergarten	17	
Kindergarten	16	
Kindergarten	18	Total 51
1 st Grade	18	
1 st Grade	21	
1 st Grade	19	Total 58
2 nd Grade	21	
2 nd Grade	21	
2 nd Grade	21	Total 63
3 rd Grade	26	
3 rd Grade	26	Total 52
4 th Grade	19	
4 th Grade	18	
4 th Grade	16	Total 53
5 th Grade	23	
5 th Grade	22	
5 th Grade	21	Total 66
Total		343

Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG #
COMPUTERS	Zine	15	MUSIC	Band 6, 7, 8 (3)	25
				Orchestra 6, 7, 8 (3)	12
	Plugged In (2)	11		Choir 6, 7, 8 (3)	25
	Fun With Fashion	10	PHYSICAL ED	Health 6 (2)	13
	Comp. & Graphics	24		P.E. 6th (2)	16
DRAMA	Yearbook	14		Health 7 (2)	22
	DRAMAniacs (2)	20		P.E. 7 (2)	22
	Break a Leg	26		Health 8 (2)	24
	Musical Theatre	17			
	The Show Must Go On	14		P.E. 8 (2)	22
TECH	Robotics	26	SCIENCE	Science 6 (5)	24
	Engineering (3)	16		Science 7 (7)	24
	Space Tech	24		Science 8 (8)	27
	Electronics	25	SOCIAL STUDIES	Geography 6 (5)	24
FINE ARTS	Photography	28		Wld Hist 7 (8)	24
	Intro to Art (2)	12		Am Hist 8 (7)	25
	Studio Art	29	TECHNOLOGY	Engineering 6 (2)	10
	3D Design	15		Engineering 7	24
	2D Art	24		Space Teah 7	24
WORLD LANGUAGE	Spanish 6 (2)	8		Electronics	25
	Spanish Exploration	12		Robotics	26
	Spanish 7	26	ADVISORY	6th (5)	24
	Spanish 8	24		7th (3)	24
	Spanish 1 8	17		7/8th (7)	22
LANGUAGE ARTS	Reading 6 (4)	25		8th (4)	21
	Adv. Reading 6	20		WEB	34
	Writing 6 (4)	27	(#) Indicates the number of sessions taught, if more than one.		
	ADV. Writing 6	19			
	LA 7 (7)	23			
	Reading 7 (5)	21			
	Adv. LA 7	31			
	Reading 8 (5)	21	Average # of students per class = 22 Student/teacher ratio = 22:1		
	Writing 8 (5)	21			
	Adv. LA 8 (2)	28			
MATH	Math 6 (5)	24			
	Math 7 (5)	22			
	Pre-Algebra (7)	25			
	Algebra 1 (2)	24			
	Geometry	21			

Elizabeth High School

<i>Department</i>	<i>Course (# of Sections)</i>	<i>Avg Stud#</i>	<i>Department</i>	<i>Course (# of Sections)</i>	<i>Avg Stud#</i>
<u>Art</u>	Drawing (2)	23	<u>Mathematics</u>	AP Calculus AB	25
	Drawing/Painting II (2)	19		AP Statistics	15
	Ceramics I (3)	24		Pre-Algebra (2)	20
	Ceramics II (2)	20		CP Algebra I (6)*	16
	Portfolio Art 2-D	13		Algebra Math Lab (3)	20
	Portfolio Art 3-D	6		CP Geometry (5)	29
	AP Studio Art 2-D	4		Geometry Math Lab (3)	18
	Graphic Design II (2)	22		CP Algebra II (6)	24
<u>Business</u>	Accounting I	8		Adv. Algebra/Trig (2)	18
	Business Foundations (2)	17		Integrated Math II (3)	19
	Management & Leadership	9		Pre-Calculus (2)	17
	Computer Appls. I	28		Basic Math	11
	Computer Appls. II	27	<u>Music</u>	Bel Canto	29
<u>Fam/Cons</u>				Chamber Choir	24
<u>Science</u>	Foods I (3)	23		Choraliers*	42
	Foods II (2)	21		Jazz Choir	12
	Foods III	9		Concert Orchestra	22
	Child Development	19		Jazz Ensemble	17
	Personal Finance	30		Piano I (2)	9
	Personal Living	28		Piano II	6
	Teacher Cadet	7		Symphonic Winds*	30
<u>Language Arts</u>	AP Eng. Language (2)	14	<u>Physical Education</u>	Aerobics	29
	AP Eng. Literature	19		Sports & Fitness (2)*	30
	CP Lit & Comp 100 (2)	23		Adv. Sports & Fitness*	32
	Lit & Comp 100 (5)	24		Intro. Wtg. Training	23
	CP Lit & Comp 200 (3)	18		Adv. Wtg. Training (3)	22
	Lit & Comp 200 (6)	24		Intro. Women's Weights	19
	Lit & Comp 300 (6)	23		Women's Weights	21
	Lit & Comp 400 (5)	26		Health (4)	25
	Lit & Comp 500	23		PEER Sport & Fitness*	33
	Creative Writing I	19			
	Creative Writing II	11			
	Reading Lab	12	<u>Department</u>	<u>Course (# of Sections)</u>	<u>Avg Stud#</u>
	Yearbook	19	<u>Social Studies</u>	AP European History	12
	Basic Lang. Arts	15		AP Govt & Politics: US	10
				Pre-AP World History*	31
				Psychology I	15
		<i>Avg</i>			

<u>Department</u>	<u>Course (# of Sections)</u>	<u>Stud#</u>		Psychology II	23
<u>Science</u>	AP Biology	11		Sociology	22
	AP Chemistry	6		US Government (5)	26
	AP Physics	7		US History (7)	26
	Anatomy/Physiology (2)	15		World History (11)	22
	Astronomy	17		Basic US History/Gov	12
	CP Biology (4)	24			
	Biology (5)	20	<u>Theatre Arts</u>	Performance Theatre	7
	CP Chemistry (2)	14		Perf. Tech Theatre	12
	Chemistry (3)	21		Theatre I	25
	CP Physical Science (3)	24		Theatre II	10
	Physical Science (3)	21			
			<u>World</u>		
	CP Physics	19	<u>Language</u>	Spanish I (4)	22
	Environmental Science	28		Spanish II (3)	24
	Forensic Science	18		Spanish III (2)	17
	Basic Science	9		Spanish IV	6
<u>Technology Ed.</u>	Fund of Technology (2)	24	<u>Electives</u>	Student Council	22
	Adv. Technology	18		Study Hall (12)*	30
	Materials Technology	13		Sports - Wrestling*	33
	Multi-Media	8		Learning Support (8)	7

Average # students per class = 21
Student/teacher ratio = 20:1

(#) indicates the number of sessions taught, if more than one
 * indicates that one or more sections exceed the recommended
 class size limits

Frontier High School

COURSE TITLE - QUARTER 3

Course Name	Av Stud #
Access (4) *	9
Algebra I	13
American Government	13
Anatomy	7
Art	15
Biology	14
Computer Graphics	9
Dynamics of Reading	14
Environmental Science (2)*	7
Fantasy Literature	9
Foods	9
Geographical Info. Systems	5
Geometry	9
Integrated Math 3	10
Language Arts 100	11
Language Arts 200	4
Literature & Comp I	10
Literature & Comp II	7
Math Fundamentals	6
Math Lab	11
Online Algebra II Sem 2	2
Online Amer Government Sem 2	3
Online American Lit Sem 2	2
Online Biology Sem 2	3
Online English 10 Sem 2	2
Online Integrated Math Sem 2	1
Online Personal Finance	2
Online US History Sem 2	4
Personal Finance	7
Physical Science	9
Social Issues	7
Speech & Debate	11
Sports Fitness	14
Teacher Aide	1
Topics in History	16
U.S. History	13
Video Production	8
Wood Crafts	7
Average Class Size (3 Quarter)	12

* indicates combined classes

COURSE TITLE - QUARTER 4

Course Name	Av Stud #
Access (4)*	9
Algebra I	13
American Government	13
Anatomy	7
Art	16
Biology	18
Computer Graphics	8
Computer Programming	12
Dynamics of Reading	14
Environmental Science (2)*	8
Fantasy Literature	9
Geographical Info. Systems	3
Geometry	8
Integrated Math 3	11
Language Arts 100	14
Language Arts 200	4
Literature & Comp I	11
Literature & Comp II	5
Math Fundamentals	8
Math Lab	11
Online Algebra II Sem 2	2
Online Amer Government Sem 2	3
Online American Lit Sem 2	2
Online Biology Sem 2	3
Online English 10 Sem 2	2
Online Integrated Math Sem 2	1
Online Personal Finance	2
Online US History Sem 2	4
Personal Finance	7
Physical Science	10
Social Issues	8
Speech & Debate	11
Sports Fitness	14
Teacher Aide	1
Topics In History	18
U.S. History	13
Video Production	6
Wood Crafts	6
Average Class Size (4 Quarter)	12

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 ●●● 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) Ex.) 6 teachers = 144 max. students 145 students = 7th teacher new ratio = 20.7:1	●●● Grades 1-3 ●●● 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) Ex.) 6 teachers = 150 max. students 151 students = 7th teacher new ratio = 21.6:1	●●● Grades 4-6 ●●● 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) Ex.) 6 teachers = 168 max. students 169 students = 7th teacher new ratio = 24.2:1	●●● Grades 7-12 ●●● 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 = 180 max. students 181 students = 7th teacher new ratio = 25.8:1
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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

1 AP per 350 students add 1 AP @ 700 add 1 AP @ 1,050	1 Couns. per 300 students add 1 Couns. @ 600 add 1 Couns. @ 900	add 1 Sec. @ 600 add 1 Sec. @ 800 add 1 Sec. @ 1,000	
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