



Annual Class Size Report October 2019

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 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 18 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 11 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

CP Geometry – 31 students	Sports and Fitness – 34 students
CP Geometry – 31 students	Sports and Fitness – 35 students
CP Algebra II – 32 students	Study Hall – 34 students
World Geography – 31 students	Study Hall – 31 students
Psychology I – 31 students	Study Hall – 34 students
US Govt. & Politics – 31 students	

Average class size for core subject areas are

Language Arts – 23	Science - 17
Mathematics - 23	Social Studies - 26

Frontier High School

The average class size at FHS is 10 students per class. The student/teacher ratio for the school is 10:1. 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 24 students per class. The student / teacher ratio for the school is 28:1. There are 9 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

Photography – 35 students	Adv. Reading 7 – 33 students
Adv. Reading 8 – 34 students	Adv. Writing 7 – 33 students
Science 6 – 31 students	Adv. Writing 8 – 33 students
Science 8 – 31 students	Geography 6 – 32 students
Am. History 8 – 31 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	20:1
1-3	25:1	18:1
4-5	28:1	23:1

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	23:1
1-3	25:1	17:1
4-5	28:1	23:1

APPENDIX

Singing Hills Elementary School

Ms. Carlisle	Kindergarten	18	
Mrs. Dulin	Kindergarten	20	
Ms. Meadows	Kindergarten	<u>21</u>	
			59
	Total		
Mrs. Ivanich	1st Grade	22	
Ms. Khoury	1st Grade	22	
Ms. Lederhos	1st Grade	<u>21</u>	
	Total		65
Mrs. Battistoni	2nd Grade	17	
Ms. DiPaola	2nd Grade	17	
Ms. Shuman	2nd Grade	<u>17</u>	
	Total		51
Mrs. Lorimer	3rd Grade	17	
Mrs. Rusk	3rd Grade	17	
Ms. Stewart	3rd Grade	<u>16</u>	
	Total		50
Mrs. DeCristino	4th Grade	23	
Ms. Spence	4th Grade	21	
Mrs. Wygant	4th Grade	<u>21</u>	
	Total		65
Ms. Green	5th Grade	24	
Mr. Mayes	5th Grade	25	
Ms. Schmidt	5th Grade	<u>23</u>	
	Total		<u>72</u>
	Total count		<u>362</u>

Running Creek Elementary School

KINDERGARTEN

KLEIN 23
LAWRENCE 23

TOTAL 46

1ST GRADE

McKENDREE 16
MARTINEZ 15

TOTAL 31

2ND GRADE

OTTE 19
CIRBO 20
LONG 16

TOTAL 55

3RD GRADE

AGEE 16
JOHNSON 16
PASCARELLI 19

TOTAL 51

4TH GRADE

KLICK 27
GREGORY 28

TOTAL 55

5TH GRADE

WOLNER 18
SCHWARZ 20
CONNER 19

TOTAL 59

TOTAL Enrollment 297

Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG#	
COMPUTERS	Computer Exploration (2)	14	MUSIC	Beginning Band 6	26	
	Computer Innovations (2)	16		Band 7	14	
	Comp. & Graphics	22		Band 8	13	
	Yearbook	13		Beginning Orchestra 6	16	
DRAMA	Drama 6	19		Orchestra 7	10	
	Drama 7	21		Orchestra 8	11	
	Drama 8	17		Choir 6	15	
TECHNOLOGY	STEAM 6 (2)	20		Choir 7	15	
	STEAM 7 (2)	16		Choir 8	13	
	STEAM 8 (2)	20		SCIENCE	Science 6 (4)	28
FINE ARTS	Intro to Art (2)	20			Adv. Science 6	26
	Studio Art 8	23	Science 7 (4)		26	
	3D Design	24	Adv. Science 7		28	
	2D Art	26	Science 8 (4)		27	
	Photography	35	Adv. Science 8		27	
LANGUAGE ARTS	Reading 6 (4)	28	SOCIAL STUDIES		Geography 6 (5)	28
	Adv. Reading 6	28			World Hist. 7 (5)	26
	Writing 6 (4)	28		Am. Hist. 8 (5)	27	
	Adv. Writing 6	27	PHYSICAL ED	Health 6	21	
	Writing 7 (4)	24		Health 7	19	
	Adv. Writing 7	33		Health 8	17	
	Reading 7 (4)	24		P.E. 6	23	
	Adv. Reading 7	33		P.E. 7	21	
	Writing 8 (4)	24		P.E. 8	19	
	Adv. Writing	33		Sports & Games 6 (2)	25	
	Reading 8 (4)	24	Sports & Games 7 (2)	25		
	Adv. Reading	34	Sports & Games 8 (2)	26		
	MATH	Math 6 (4)	29	ADVISORY	6th (5)	28
Adv. Math 6th		24	7th (5)		26	
Math 7 (5)		23	8th (5)		23	
Pre-Algebra (6)		20	8th WEB		20	
	Algebra I	26				

Classes w/ over 30 Students 9

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

Average # of students per Core Class =	24
Average # of students per Elective Class =	19

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 (5)	24	<u>Mathematics</u>	AP Calculus AB	7	
	Intro to 3-D	23		AP Calculus BC	11	
	Adv. 3-D	12		AP Statistics (2)	20	
	Ceramics I	21		Algebra Math Lab (3)	10	
	Portfolio Art 2-D	25		<i>Pre-Algebra (2)</i>	23	
	Portfolio Art 3-D	4		<i>CP Algebra I (7 Teams)</i>	21	
	AP Studio Art 2-D	6		<i>CP Algebra II (4)*</i>	26	
	AP Studio Art 3-D	2		<i>CP Geometry (6)*</i>	25	
	Graphic Design (2)	17		<i>Adv Algebra & Trig</i>	21	
<u>Business</u>	Accounting I	10		<i>Integrated Math II (2)</i>	17	
	Bus. Foundations (2)	24		<i>Pre-Calculus (2)</i>	18	
	Computer Appls I (5)	25		Basic Math	4	
	Computer Appls II	24		<u>Music</u>	Bel Canto	18
	AP Computer Sci. Princ.	9			Chamber Choir	14
<u>Fam/Cons Science</u>	Foods I (4)	21	Choraliers		28	
	Foods II (2)	18	Jazz Choir		10	
	Fashion/Clothing I	24	Concert Orchestra		24	
	Interior Design	15	Jazz Ensemble		17	
	Personal Finance(3)	20	Marching Band		23	
Personal Living (2)	21	Piano I (2)	9			
<u>Language Arts</u>	AP English Language (2)	13	<u>Physical Ed.</u>		Adaptive Phy. Ed.	10
	AP English Literature	18			Adv. Sports & Fitness(2)	25
	<i>CP Lit & Comp 100 (2)</i>	25		Health Education (3)	27	
	CP Lit & Comp 200 (2)	26		Intro. Women's Wtg.(2)	22	
	Creative Writing I (2)	11		Intro. Wtg. Training (2)	22	
	<i>Lit & Comp 100 (6)</i>	23		PEER Sport & Fitness	24	
	<i>Lit & Comp 200 (6)</i>	22		Sports & Fitness (3)*	31	
	<i>Lit & Comp 300 (5)</i>	23		Sports Str & Cond.	22	
	<i>Lit & Comp 400 (5)</i>	21		Women's Str & Cond (2)	23	
	<i>Lit & Comp 500 (2)</i>	18		<u>Theatre Arts</u>	Beg. Tech Theatre	10
	Sports Literature	21	Perf. Tech Theatre		7	
	Yearbook Production	25	Performance Theatre		8	
	Basic Language Arts	12	Theatre I		27	
				<u>World Language</u>	Spanish I (6)	25
			Spanish II (4)		20	
			Spanish III		14	
			Spanish IV		7	

<u>Department Science</u>	<i>Course/Sections</i>	<i>Stud #</i>
	AP Biology	14
	AP Chemistry	9
	<i>Biology (5)</i>	21
	<i>Chemistry (3)</i>	22
	CP Anatomy/Phys (2)	18
	<i>CP Biology (3)</i>	22
	<i>CP Chemistry (3)</i>	13
	<i>CP Physical Science (4)</i>	19
	Environmental Sci.	16
	Forensic Science	18
	<i>Physical Science (5)</i>	23

<u>Technology Ed.</u>		
	Adv Tech./M Media/App	27
	Fund of Technology (2)	27
	Materials	6
	Robotics	14
	Aud. Visual Prod. I (2)	16
	Aud. Visual Prod. III	21

<u>Department Social Studies</u>	<i>Course /Section</i>	<i>Stud #</i>
	AP European History	14
	AP Govt. & Politics	7
	AP Human Geography	22
	AP US History	7
	Modern Studies	22
	Psychology I (2)*	27
	<i>US Government(3)*</i>	27
	<i>US History (5)</i>	24
	<i>World Geography (7)*</i>	27
	<i>World History (7)*</i>	24

<u>Electives</u>		
	Gifted & Talented Sem.	2
	Student Council	29
	Student Internship	4
	Study Hall (10)*	27
	Learning Support (9)	5

*= Sect. w/31+	CP Geometry	31
	CP Geometry	31
	CP Algebra II	32
	Sports & Fitness	34
	Sports & Fitness	35
	World Geography	31
	Psychology I	31
	US Govt. & Politics	31
	Study Hall	34
	Study Hall	31
	Study Hall	34

Ave. stud/class: 18

Frontier High School

Course Name	Term	Student #	Course Name	Term	Student #
Access* (5)	Q1	8	Access* (5)	Q2	8
OPP Independent Study	Q1	8	OPP Independent Study	Q2	8
Consumer Sciences	Q1	7	Consumer Sciences	Q2	7
Chemistry 1	Q1	15	Chemistry 1	Q2	15
Weapons and Armor	Q1	9	Weapons and Armor	Q2	9
U.S. Government	Q1	17	U.S. Government	Q2	17
U.S. History	Q1	20	U.S. History	Q2	20
World History	Q1	10	World History	Q2	9
Personal Economics	Q1	16	Personal Economics	Q2	16
Geometry	Q1	12	Geometry	Q2	12
Algebra I	Q1	13	Algebra I	Q2	13
Health* (2)	Q1	5	Health* (2)	Q2	5
Sports Fitness	Q1	13	Sports Fitness	Q2	14
Earth Science	Q1	7	Earth Science	Q2	7
Biology	Q1	6	Biology	Q2	6
FHS Explore* (4)	Q1	6	FHS Explore* (4)	Q2	9
Wood Crafts	Q1	6	Wood Crafts	Q2	6
Art* (2)	Q1	3	Art* (2)	Q2	3
Literature & Comp II	Q1	10	Literature & Comp II	Q2	10
Language Arts 200	Q1	4	Language Arts 200	Q2	4
Language Arts 100	Q1	4	Language Arts 100	Q2	4
OPP Reading	Q1	7	OPP Reading	Q2	7
Literature & Comp I	Q1	19	Literature & Comp I	Q2	19
Algebra II	Q1	7	Algebra II	Q2	7
Coding	Q1	14	Coding	Q2	14
Writers Workshop	Q1	11	Writers Workshop	Q2	10
Math in the Real World	Q1	9	Math in the Real World	Q2	7
Conceptual Physics	Q1	17	Conceptual Physics	Q2	17
Contemporary US Issues	Q1	8	Contemporary US Issues	Q2	8
Civics	Q1	7	Civics	Q2	7
<u>Average Class Size</u>		10	<u>Average Class Size</u>		10

*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>

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.