



Annual Class Size Report

April 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 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 21 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 10 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

Intro Weight Training – 33 students
Sports Strength & Cond – 32 students
Study Hall – 31 students

Average class size for core subject areas are

Language Arts – 23	Science – 23
Mathematics - 22	Social Studies - 25

Frontier High School

The average class size at FHS is 8 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 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

- World History – 31 students
- WEB – 35 students

Singing Hills Elementary School

The average class size at Singing Hills Elementary is 23 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 Singing Hills</u>
K	24:1	19:1
1-3	25:1	24:1
4-5	28:1	25:1

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	24:1
1-3	25:1	21:1
4-5	28:1	21:1

APPENDIX

Singing Hills Elementary School

Kindergarten	18	
Kindergarten	20	
Kindergarten	<u>20</u>	
		58

Total

1st Grade	28	
1st Grade	<u>28</u>	
		56

Total

2nd Grade	18	
2nd Grade	19	
2nd Grade	<u>20</u>	
		57

Total

3rd Grade	24	
3rd Grade	27	
3rd Grade	<u>27</u>	
		78

Total

4th Grade	24	
4th Grade	26	
4th Grade	<u>25</u>	
		75

Total

5th Grade	25	
5th Grade	24	
5th Grade	<u>25</u>	
		<u>74</u>

Total

Total student count		<u>398</u>
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Running Creek Elementary School

Kindergarten	23	
Kindergarten	24	total = 47

1 st Grade	23	
1 st Grade	25	total = 48

2 nd Grade	22	
2 nd Grade	23	total = 45

3 rd Grade	18	
3 rd Grade	18	
3 rd Grade	20	total = 56

4 th Grade	22	
4 th Grade	22	
4 th Grade	22	total = 66

5 th Grade	18	
5 th Grade	18	
5 th Grade	21	total = 57

Total Enrollment = 319

Elizabeth Middle School

DEPARTMENT	COURSE NAME	AVG #	DEPARTMENT	COURSE NAME	AVG#	
COMPUTERS	Plugged In (2)	18	MUSIC	Beginning Band 6	20	
	Computer Design 7	27		Band 7	16	
	Comp. & Graphics (2)	22		Band 8	15	
	Zine	16		Beginning Orchestra 6	8	
DRAMA	Break a Leg	24		Orchestra 7	13	
	The Show Must Go On	25		Orchestra 8	11	
	DRAMAniacs	16		Choir 6	9	
				Choir 7	16	
TECHNOLOGY	STEAM 6 (2)	19		Choir 8	26	
	STEAM 7 (2)	19		SCIENCE	Science 6 (5)	26
	STEAM 8 (2)	22			Science 7 (5)	28
	FINE ARTS	Intro to Art (2)			23	Science 8 (6)
Studio Art 8		26			SOCIAL STUDIES	Geography 6 (5)
3D Design		30		World Hist. 7 (5)		28
2D Art		26		Am. Hist. 8 (6)	26	
Photography		30		PHYSICAL ED	Health 6 (3)	20
LANGUAGE ARTS	Reading 6 (4)	25	Health 7		22	
	Adv. Reading 6	28	Health 8 (2)		24	
	Writing 6 (4)	25	P.E. 6		16	
	ADV. Writing 6	27	P.E. 7 (3)		20	
	Writing 7 (4)	29	P.E. 8 (2)		24	
	ADV. Writing 7	24	Sports & Games 6		22	
	Reading 7 (4)	29	Sports & Games 7		22	
	Adv. Reading 7	24	Sports & Games 8		22	
	L.A. 8 (8)	26	ADVISORY	6th (6)	19	
	Adv. L.A. (2)	27		7th (5)	24	
MATH	Math 6 (5)	21		8th (5)	21	
	Adv. Math 6th	26		WEB	35	
	Math 7 (5)	23		GT	17	
	Pre-Algebra (5)	20		Band/Orchestra	23	
	Algebra I (3)	26		Yearbook	12	
				(#) Indicates the number of sessions taught, if more than one.		
				Average # of students per Core Class =	26	
				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	24	<u>Mathematics</u>	AP Calculus AB	24	
	Drawing & Painting II (2)	23		AP Calculus BC	11	
	Ceramics I	22		AP Statistics (2)	18	
	Ceramics II (3)	24		Algebra Math Lab (3)	15	
	Sculpture	19		<i>Pre-Algebra (2)</i>	21	
	Portfolio Art 2-D	15		<i>CP Algebra I (6 Teams)</i>	20	
	Portfolio Art 3-D	6		<i>CP Algebra II (4)</i>	22	
	AP Studio Art 2-D	3		<i>CP Geometry (7)</i>	24	
	AP Studio Art 3-D	1		<i>Adv Algebra & Trig</i>	24	
	Graphic Design II (2)	15		<i>Integrated Math II (3)</i>	24	
<u>Business</u>	Accounting I	14	<i>Pre-Calculus (2)</i>	16		
	Bus. Foundations	25	Basic Math	5		
	Business & Pers. Law	16	<u>Music</u>	Bel Canto	14	
	Bus & Pers. Finance (2)	16		Chamber Choir	14	
	Computer Appls I (2)	28		Choraliers	21	
	Computer Appls II (4)	24		Jazz Choir	10	
<u>Fam/Cons Science</u>	Foods I (2)	23		Concert Orchestra	276	
	Foods II (3)	19		Jazz Ensemble	14	
	Foods III (2)	16	Piano I	11		
	Child Development (2)	17	Piano II	6		
	Interior Design	15	Symphoic Winds 39	39		
	Personal Finance	24	AP Music Theory	7		
<u>Language Arts</u>	Personal Living	28	<u>Physical Ed.</u>	Aerobics *	32	
	AP English Language (2)	19		Adv. Sports & Fitness	22	
	AP English Literature	19		Adv. Weight Training	21	
	<i>CP Lit & Comp 100 (2)</i>	28		Health Education (2)	29	
	<i>CP Lit & Comp 200 (3)</i>	20		Intro. Women's Wtg.	30	
	Creative Writing I	26		Intro. Wtg. Training (2)*	33	
	<i>Lit & Comp 100 (5)</i>	22		PEER Sport & Fitness	24	
	<i>Lit & Comp 200 (5)</i>	25		Sports & Fitness (2)	29	
	<i>Lit & Comp 300 (5)</i>	25		Sports Str & Cond. (3)*	29	
	<i>Lit & Comp 400 (4)</i>	24		Women's Str & Cond (2)	18	
	<i>Lit & Comp 500 (2)</i>	17		<u>Social Studies</u>	AP European History (2)	10
	Public Speaking	26			AP Govt & Politics: US	19
	Yearbook Production	16			AP Human Geog. (2)	22
	Basic Language Arts	5			AP US History	8
Sports Literature	19	Colorado History (2)	20			
<u>Department Science</u>	<u>Course/Sections</u>	<u>Stud #</u>	Psychology I (2)		26	
	Anatomy/Phys (2)	14	Sociology		28	
	AP Biology (2)	13	World Wars		20	
			<i>US Government (4)</i>		27	

AP Chemistry	9
AP Physics C	11
Astronomy	18
<i>Biology (3)</i>	28
<i>Chemistry (4)</i>	20
<i>CP Biology (4)</i>	22
<i>CP Chemistry (3)</i>	22
<i>CP Physical Science (3)</i>	21
Environmental Sci. (2)	24
Forensic Science	26
<i>Physical Science (4)</i>	25

Technology Ed.

Adv. Tech./Multi Media	17
Fund of Technology (3)	25
Aud. Visual Prod. I (2)	22
Aud. Visual Prod. II (2)	15
Aud. Visual Prod. III	18
Robotics	21

Department

Theatre Arts

<i>World Geography (5)</i>	24
<i>World History (6)</i>	25
<u>Course /Section</u>	<u>Stud #</u>
Perf. Tech Theatre	8
Performance Theatre	9
Theatre II	8

World Language

Spanish I (5)	22
Spanish II (4)	19
Spanish III (2)	22
Spanish IV	19

Electives

Cardinal Recovery	17
Gifted & Talented	7
Student Council	28
Student Leadership	6
Study Hall (11)*	24
Learning Support (8)	7

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	Q3	11	IS Online	Q4	6
Architecture	Q3	10	Architecture	Q4	5
Computer Graphics	Q3	11	Computer Graphics	Q4	10
Art *(2)	Q3	7	Art *(2)	Q4	9
Speech and Drama	Q3	4	Speech and Drama	Q4	5
Dynamics of Reading	Q3	1	Dynamics of Reading	Q4	1
Creative Writing I	Q3	8	Creative Writing I	Q4	5
Literature & Comp II	Q3	8	Literature & Comp II	Q4	6
Literature & Comp I *(2)	Q3	7	Language Arts 200	Q4	11
Language Arts 200	Q3	12	Language Arts 100	Q4	6
Language Arts 100	Q3	7	OPP Reading	Q4	1
OPP Reading	Q3	1	Literature & Comp I *(2)	Q4	9
Integrated Math 3/4	Q3	7	Integrated Math 3/4	Q4	5
Geometry	Q3	10	Geometry	Q4	9
Algebra I	Q3	11	Algebra I	Q4	10
Health *(2)	Q3	9	Health *(2)	Q4	9
Sports Fitness *(2)	Q3	13	Sports Fitness *(2)	Q4	11
Biology	Q3	7	Biology	Q4	7
Physics	Q3	4	Physics	Q4	3
Earth and Space *(2)	Q3	11	Earth and Space *(2)	Q4	11
Chemistry 1	Q3	6	Chemistry 1	Q4	6
Religion and Culture	Q3	10	Religion and Culture	Q4	9
U.S. History *(2)	Q3	9	U.S. History *(2)	Q4	8
World History	Q3	13	World Geography	Q4	2
World Geography	Q3	1	World History	Q4	9
Work Study I	Q3	2	Work Study I	Q4	1
Personal Finance	Q3	1	Personal Finance	Q4	2
Picken's Tech	Q3	1	Picken's Tech	Q4	1
Access *(5)	Q3	34	Access *(5)	Q4	29
OPP Independent Study	Q3	4	OPP Independent Study	Q4	5
Weapons and Armor	Q3	13	Weapons and Armor	Q4	8
World Building	Q3	9	World Building	Q4	7
Statistics	Q3	5	Statistics	Q4	3
Materials Science	Q3	11	Materials Science	Q4	12
Chemistry 2	Q3	5	Chemistry 2	Q4	6
<u>Average Class Size</u>		8	<u>Average Class Size</u>		7
*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.