

**Budget Analysis Requested by the SOMSD Board of Education
for discussion of 2005-06 Budget**

Potential impact/savings of changes to average class size for regular academic sections at CHS and the impact/savings of changes affecting the full range of smaller sections, including supplemental, special education, the alternative program, honors, Advanced Placement, and under subscribed elective courses.

Identification of Need

Maintaining the present class size policy at CHS is of major importance to teachers, administrators, and the parent community. The present class size policy allows for supplemental classes, special education classes, classes in the alternative program, and ESL classes to have a smaller enrollment than other class offerings. Some honors classes, Advance Placement classes, and other electives are under subscribed, but are important components of the curriculum for the departments that offer these classes. Furthermore, one of the priorities in building the 2005-2006 budget calls for *preserving the elective offerings at Columbia High School to meet the scheduling needs of a growing enrollment and increase student access to high-level classes.*

Resources Provided by the District

Is the staff fully scheduled?

Yes. A full schedule for a CHS teacher includes five classes, lunch, one full year of duty, and a minimum of 200 minutes of preparation time per week. All teachers are fully scheduled with the exception of:

- ◆ Several part time teachers or teachers who are combination teacher/aide; and
- ◆ Three teachers who have a reduced teaching load because of other assigned duties or contractual stipulations.

The present CHS schedule results in teachers having more than the contractual amount of preparation time per week.

How many classes have an enrollment of 28 students or more, and what are they?

- ◆ There are 67 physical education classes scheduled during semester 1 that have an enrollment of 28 students or more (80 including Driver's Education and Health Education). Semester 2 is not yet fully scheduled.

- ♦ Music performance classes with an enrollment of 28 students or more are:

Title	Enrollment
Orchestra	28
Mixed Chorus Grade 9	30
Chamber Choir	30
Concert Band	33
Wind Ensemble	43
Symphonic Band	62

Table 1 reflects the number of classes in other disciplines that have an enrollment of 28 students or more.

Table 1

Number of Classes with an Enrollment of 28 or More

	28	29	30	31	32	33	34	35	Total
Science	10		1						11
Social Studies	3	2	1	2					8
Health		1	1	2	1		1		6
English	4								4
Math		1							1
Driver's Education		2	1		2	1	1		7
TOTAL	17	6	4	4	3	1	2		37

Table 2 reflects the course title, level, and enrollment of each class reflected in **Table 1** with an enrollment of 28 students or more.

Table 2

Classes with an Enrollment of 28 or More

Course Title	Level	Enrollment
Astronomy – HN	4	28
Biology – HN	4	28
Biology – HN	4	28
Biology – HN	4	28
Physics – HN	4	28
Physics – HN	4	28
Physics – HN	4	28
Physics – Adv	5	28
Chemistry – HN	4	28
Chemistry – HN	4	28
English – HN	4	28
English – HN	4	28
English – HN	4	28
Lit. & Social Criticism – HN	4	28
World History 2 – HN	4	28
World History 2 – HN	4	28
World History 2 – HN	4	28
US History I – AP	6	29
European History – AP	6	29
Algebra – HN	5	29
Driver's Education		29
Driver's Education		29
Health Education – Gr. 12		29
Chemistry – Adv.	5	30
US History I – AP	6	30
Driver's Education		30
Health Education – Gr. 12		30
US History 2- AP	6	31
World History 2 – HN	5	31
Health Education – Gr. 12		31
Health Education –Gr. 12		31
Health Education – Gr. 12		32
Driver's Education		32
Driver's Education		32
Driver's Education		33
Driver's Education		34
Health Education – Gr. 12		34

Adv – Advanced
HN – Honors
AP – Advanced Placement

How many classes have a total enrollment that falls within the range of 15-21 and 22-27?

- ◆ There is a total of 248 classes in art, career and technical education, English, math, science, social studies, and world languages with an enrollment that falls within the range of 15-21.
- ◆ There is a total of 220 classes in art, career and technical education, English, math, science, social studies, and world languages with an enrollment that falls within the range of 22-27.

How many classes have an enrollment of less than 15 students, and what are they?

According to BOE Policy #2312, class size for English/Social Studies for the Foreign Born (ESL), Supplemental (remedial), Special Services, and the Alternative Program are permitted to fall below the established minimum limit.

- ◆ There are eight ESL classes offered with an enrollment of less than 15.
- ◆ There are 23 semester 1 and full year supplemental classes offered by the Mathematics Department. Semester 2 classes are yet to be determined (TBD). **Table 3** reflects the number of classes of supplemental math at each grade level and the average enrollment for those classes.

Table 3

Supplemental Math Classes

Grade Level	# of Classes (Average Enrollment)		
	Semester 1	Semester 2	Full Year
10	3 (16)	(TBD)	
11			13 (15)
12	7 (15)	(TBD)	

- ◆ There are 24 semester 1 and full year supplemental classes offered by the English Department. Semester 2 classes are yet to be determined (TBD). **Table 4** reflects the number of classes of supplemental math at each grade level and the average enrollment for those classes.

Table 4

Supplemental English Classes

Grade Level	# of Classes (Average Enrollment)		
	Semester 1	Semester 2	Full Year
10	6 (15)	(TBD)	
11			8 (15)
12	4 (15)	(TBD)	

- ◆ There are 82 teacher assigned special education sections. Twenty-five of these teacher sections are dedicated to in-class support to regular education teachers who have the primary responsibility for providing instruction. By regulation, in-class support classes may have no more than 9 students. There is no legal limit on the number of regular education students who may be in the room, but our practice is to keep these classes small.

The remaining 57 sections are stand-alone special education classes with enrollments of less than 15 students. **Table 5** reflects the number of special education stand-alone special education classes by enrollment. Please note that instructional aides must be provided to all resource room classes with an enrollment in excess of 9 students. Aides are also assigned to all sections of the self-contained classes for students with behavior disturbance disabilities.

Table 5

Special Education Classes

Student Enrollment	Number of Sections
3	2
4	0
5	4
6	11
7	8
8	10
9	8
10	3
11	7
12	4

- ◆ The equivalent of 4.8 FTEs are dedicated to the Alternative Program at Montrose. Presently the student enrollment at Montrose is 48.
- ◆ A singleton is a course that has only one section offered across the entire schedule. **Table 6** reflects the number of full year and semester 1 singletons by disciplines that have an enrollment of less than 15 students.

Table 6

Number of Singletons with an Enrollment of Less than 15

	14	13	12	11	10	9	8	7	6	5	4	3	Total
World Languages		1	2	1	1				1			1	7
Science													1
Art		1			1								2
Math	1							2		1			3
English			1										1
Career and Technical Education			1										1
TOTAL	1	2	4	1	2			2	1	1		1	15

Table 7 reflects the course title, level, and enrollment of each class reflected in **Table 6** with an enrollment of less than 15 students.

Table 7

Singletons with an Enrollment of Less than 15 Students.

Course Title	Level	Enrollment
*Japanese 1 –HN	4	6
*Japanese 2 – HN	4	3
Spanish Literature AP	6	13
French Language AP	6	11
Latin 4 – HN	4	12
Italian 3/3HN/4HN (combo)	3-4	10
Italian 2	3	12
Computer Science AP	6	7
**Crafts 2		10
Art History AP	6	13
Algebra 2	1	5
Calculus III	5	7 (Sem. 1)
Basic I	3	14 (Sem. 1)
Poetry Reading and Writing	2	12
Introduction to College Accounting		12 (Sem. 1)

HN – Honors

AP – Advanced Placement

***Japanese is a distance-learning course delivered via satellite. A world language teacher is assigned to this class as a duty, in addition to his/her five assigned classes.**

****Crafts 1 is a prerequisite for crafts 2**

Table 8 reflects those classes that have multiple sections where the average enrollment of the sections is less than 15.

Table 8

**Classes with Multiple Sections
Where the Average of the Sections is Less than 15**

Course Title	Level	# of Sections	Enrollment of Each Section	Average Enrollment
Contemporary Literature	2	2	13, 12	13
Drama Literature/Performance	2	2	10, 17	14
Algebra 2/Trig	2	4	5, 14, 15, 15	12
Spanish 5 – HN	4	2	12, 12	12
Latin 3/Latin 3 – HN (combo)	3-4	2	11, 11	11

Considerations/Options

- ◆ There are 110 classes that have an enrollment of 28 or more. These include 67 PE classes, 6 health classes, 7 driver's education classes, 11 science classes, 8 social studies classes, 4 English classes, 1 mathematics class, and 6 music classes.
- ◆ There are 15 singletons with an enrollment of less than 15. These include 7 world language classes, 1 science class, 2 art classes, 3 mathematics classes, 1 English class, and 1 career and technical education class.
- ◆ There are 5 multiple section classes with an average enrollment of less than 15. These include 2 English classes, 1 mathematics class, and 2 world language classes.
- ◆ All other classes that have an enrollment of less than 15 (57 Special Education classes, 8 ESL classes, 47 supplemental classes, classes at the Montrose campus) are permitted by Board of Education Policy or are subject to State regulation.
- ◆ Savings in FTEs could be achieved by eliminating classes with an enrollment of less than 15, which are not compatible with Board of Education Policy. However, 50% of these classes are honors or advanced placement classes, and the other 50% are level 2 classes where an attempt is made to maintain small class size. Eliminating any of these classes would also limit the number of elective offerings and high-level classes.