Citizens Advisory Committee Meeting #2

September 27, 2022

Agenda Topic	Time
Dinner	5:30 - 6:00 p.m.
Welcome and Review CAC Purpose of Enrollment Re-Allocation	6:00 - 6:15 p.m.
Course Scheduling Process and Complexities with Declining Enrollment	6:15 - 7:40 p.m.
Review of Timeline, Next Steps, and Questions	7:40 - 8:00 p.m.

Welcome

- Review purpose of CAC
  - Enrollment Re-Allocation
  - Longer Conversation

- Review timeline with CAC for short term and long-term planning

Deliberate Decision Making Process

- Define the Problem
- Gather Facts & Assumptions
- Develop Courses of Action (Options)
- Develop Screening Criteria
- Develop Evaluation Criteria
- Contract and Compare Course of Actions
- Provide a Recommendation

Topics for CAC Meetings: #2

- The course schedule process;
- How many split teachers do we have and teacher/student experience, part time teachers;
- Distance traveled to schools;
- District funding comparison and how our funding structure works;
- Differences in programs and courses across schools;
- How decisions on course allocation are made; and
- What was in place when schools previously had lower enrollment.

Course Scheduling within Declining Enrollment

Course Scheduling Annual Timeline

Month	Scheduling Event
January	Residency Verification and Enrollment
February	Course Selection Information and Course Requests
March	Section Allocation Draft
April	Section Allocation PLUS Staffing
May	Course Schedule Built and Finalized
October	Review all Staffing/Section Allocations with Teachers Union

Section Allocation: How Does FUHSD Build the Student Schedule?

- Based on student enrollment projections, each site is allocated a number of general fund sections ("**section**" is defined as a course period staffed with a teacher, "**course**" is defined as unique curricular content)

- **Courses are scheduled annually based on student requests and sites make every effort to prioritize student top 6 choices**

- The student course schedule is not replicated from year to year, we build a unique schedule annually based on student requests (unlike a college model)

Section Allocation: How Does FUHSD Build the Student Schedule?

- The section allocation formula takes into account the following:
  - # of students at each grade level
  - Class-size ratios for each course per grade level (e.g. 20:1 ratio for Algebra 1, 23:1 for 9th grade English)
  - Guaranteed number of classes by grade level
  - Special populations (Educational Options, Special Education (SPED), ELL (English Language Learners (ELL), etc.)

- The formula does not include sections provided with non general fund money, such as English Language Development (ELD), SPED, FUHS Foundation, Title 1, etc.

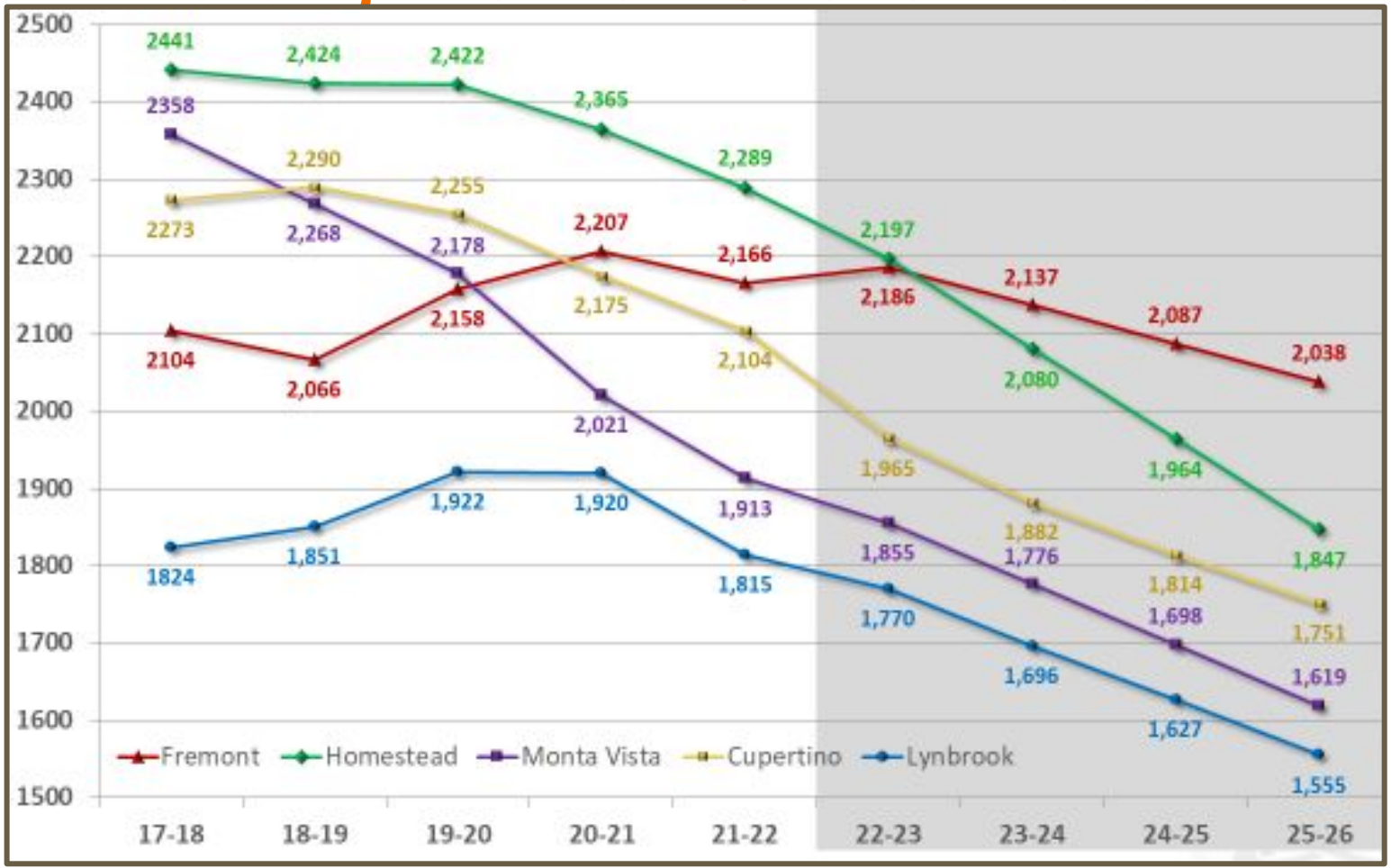
Basic Section Allocation Formula

FORMULA DETAILS - COURSES PER STUDENT BY GRADE LEVEL							
Grade	**Math**	**English**	**PE**	**Science**	**Soc. Sci.**	**Other**	**Total**
9	1	1	1	1	0	2.13	**6.13**
10	1	1	1	1	1	1.13	**6.13**
11	1	1	0	0	1	2.62	**5.62**
12	0	1	0	0	1	3.52	**5.52**
4 Yrs.	**3**	**4**	**2**	**2**	**3**	**9.40**	**23.4**

6 Year Historical View of FUHSD Section Allocation

Site	17-18	18-19	19-20	20-21	21-22	22-23	1 year	5 year	High
CHS	393	393	**394**	383	368	345	-23	-48	-49
FHS	344	348	354	**371**	360	360	0	16	-11
HHS	427	422	**429**	426	412	410	-2	-17	-19
LHS	316	320	337	**341**	318	302	-16	-14	-39
MVHS	**419**	406	394	360	335	311	-24	-108	-108
Total	1,889	1,889	1,908	**1,881**	1,793	1,697	-96	-192	-211

Attending Enrollment- 5 Years in Review



Highest Enrollment in Past 6 Years to Projected Lowest

School	High Enrollment	High Section Allocation	Low Enroll. Projection	Low Section Allocation Projection	Change
Cupertino	2,290	394	1,751	305	-89
Fremont	2,207	371	2,038	342	-29
Homestead	2,441	429	1,847	330	-99
Lynbrook	1,922	341	1,555	274	-67
Monta Vista	2,358	419	1,619	286	-133

“Sections” Assigned to Student Requests

1: Course Name

2: # of student requests

3: Required # of sections per course

4: School site allocation per course

5: Class size average

6: # of sections per course previous year

7: Difference between previous and current school year allocation

SCIENCE 32.5:1	Stud. 2	Ratio	Req'd. 3	Alloc. 4	Size 5	20-21 6	Dif. 7
Biology 1	405	32.5	12.46	13	31.15	13	0
Physiology	106	32.5	3.26	3	35.33	4	-1
AP Biology	166	32.5	5.11	5	33.20	6	-1
Chemistry	127	32.5	3.91	4	31.75	4	0
Chem Honors	121	32.5	3.72	4	30.25	6	-2
Physics	83	32.5	2.55	3	27.67	3	0
Physics AP 1	230	32.5	7.08	7	32.86	7	0
Physics AP C	91	32.5	2.80	3	30.33	3	0
APES	139	32.5	4.28	4	34.75	5	-1
Chem AP	142	32.5	4.37	5	28.40	6	-1
Total	**1610**	**32.5**	**49.54**	**51**	**31.57**	**57**	**-6**

Can We Still Run Comprehensive Schools with Declining Enrollment?

MVHS Example over 5 Years (-108 sections)

Department	# of Course Offerings (2017-18)	# of Course Offerings (2022-23)
Art	13	15
Business	5	5
English	10	10
Industrial Tech	4	4
Math	13	13
Music	10	9
Physical Education	6	5
Science	10	11
Social Studies	9	9
World Language	20	20
Non Departmental	9	10
Total	109	111

Student Scheduling Conflicts

- With reduced enrollment we will have fewer sections per course, this will result in more singletons/doubletons across the district.

  Singleton= A course that is allocated one section in one period

  Doubleton=A course that is allocated two sections in two different periods

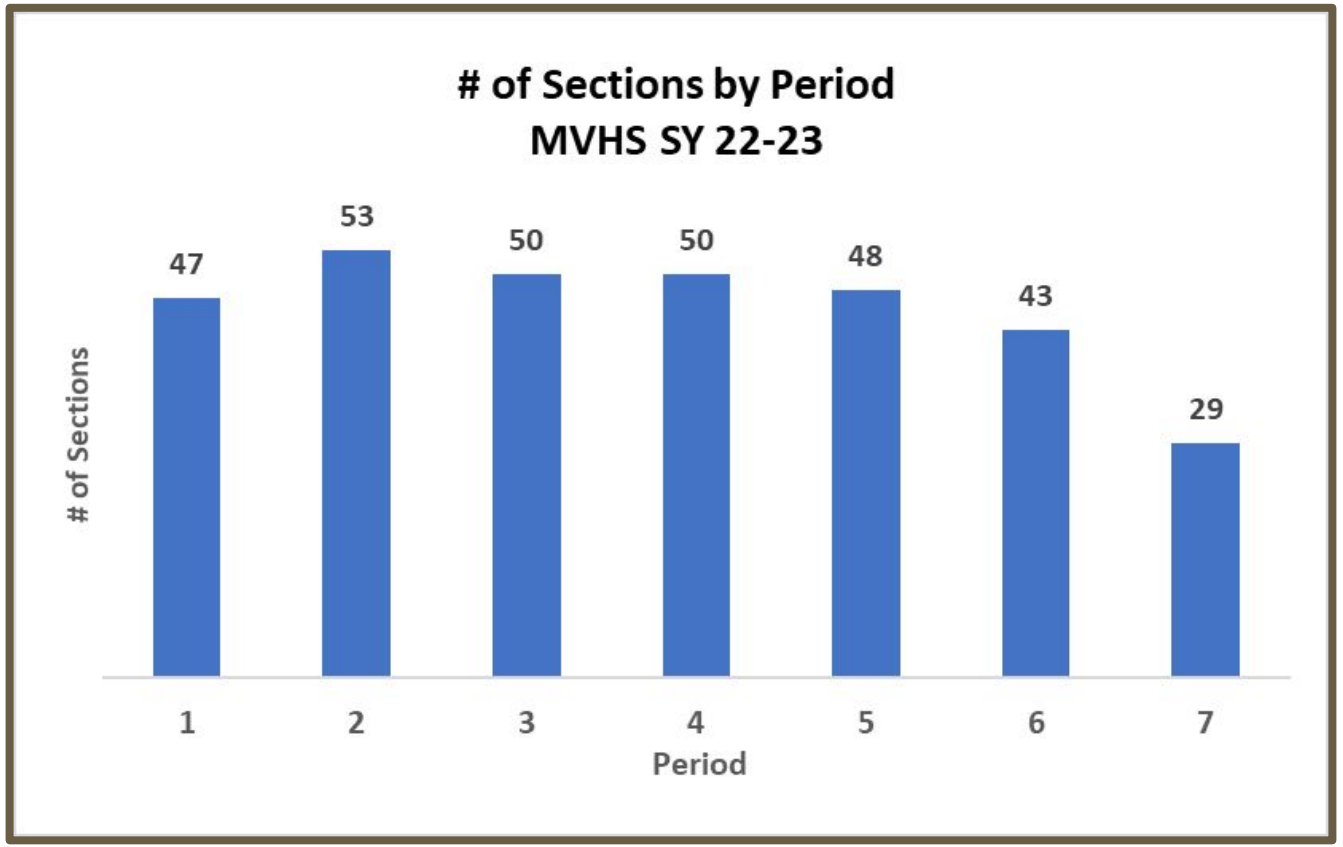
- We do our best to reduce the number of conflicts in order to maximize student choice but there are times when unavoidable conflicts occur. The conflict matrix process helps us identify conflicts during the scheduling process.

Singletons and Doubletons-Conflict Matrix

FHS Example of Doubleton Conflicts

Course	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
Academic Reading and Writing	8	7	3	24	9	5	3
AP Lit	15	14	21	24	23	27	53
AP Calc BC	5	13	17	14	6	22	50
AP Chem	34	21	30	27	30	19	28
AP Comp Sci	42	10	9	9	32	21	39
AP Physics	42	27	39	21	25	14	43
AP Spanish	31	8	16	21	24	17	34
APES	20	15	15	8	10	11	50
Advanced Apps of Math	27	10	9	22	25	11	40
Calc AB	7	17	15	22	20	12	
Java	17	4	7	7	22	5	30
Drama	6	7	5	3			
3D Sculpture and Design	14	7	7	8	4	10	34
French 2							
Music Genesis							
Law	24	20	18	12	20	19	38
Japanese 1	21	21		8			23

of Sections by Period- Increases Conflicts with Open 7th Periods



Considerations for Course Placement During Course Scheduling

1. Student course request conflicts - avoid as much as possible
2. Room usage (particularly science)
3. Split-site teacher schedules
4. SPED/ELD courses first due to limited course offerings in core classes
5. Teacher course preps (same courses in teacher schedule) - try to schedule on same day if possible
6. Grade level seat counts - try to spread seat counts across all 7 periods to maximize schedule load and allow students to access courses

Considerations for Course Placement During Course Scheduling (cont)

7. Student requests for open periods (e.g. open 7th period)
8. Science courses - need an open period between courses if opposite block days is not possible
9. Avoid same level courses in the same period when there are limited options
10. Try to schedule part-time staff near collaboration and tutorials
11. Special preps for district release periods
12. Department Lead open periods for site and district meetings
13. For Government/Economics - balance # of each course in each semester

Effects of Declining Enrollment on Scheduling (one example)

- **29% to 47% decline in student requests between level 2 and 3**
- **This makes it very difficult to continue to run a 5 level program across 4 languages.**
- **With a 15% decline in student enrollment expected at MVHS, this will continue to present itself as a challenge in scheduling.**

School Year 2017-18

World Language	Stud.	Ratio	Req'd.	Alloc.	Size
Japanese 1	44	32.5	1.35	2	22.00
Japanese 2	41	32.5	1.26	1	41.00
Japanese 3	29	32.5	0.89	1	29.00
Japanese 4H	9	(w/Japanese 5)			
AP Japanese 5	29	32.5	1.17	1	38.00
Japanese Total	*152*	*32.5*	*4.68*	*5*	*30.4*

School Year 2022-23

WORLD LANGUAGE	Stud.	Ratio	Req'd.	Alloc.	Size
Japanese 1	35	32.5	1.08	1	35.00
Japanese 2	45	32.5	1.38	2	22.50
Japanese 3	24	32.5	0.74	1	24.00
Japanese 4H	1	32.5	0.03	1	26.00
Japanese AP	25	32.5	0.80	0	0.00
Japanese Total	*130*	*32.5*	*4.00*	*5*	*26.00*

What are the effects of declining enrollment and 3-5 course teaching preps on a teacher?

	T1 (08/22/22-12/22/22)
2	1290-2 Contemp Lit/Writ Primary Teacher Rm: B212 Student Count: 30
3	1010-33 Lit/Writ Primary Teacher Rm: B212 Student Count: 25
4	1140-4 Amer Lit/Writ H Primary Teacher Rm: B212 Student Count: 28
5	1010-555 Lit/Writ Primary Teacher Rm: B212 Student Count: 23
7	1140-7 Amer Lit/Writ H Primary Teacher Rm: B212 Student Count: 27

	T1 (08/22/22-12/22/22)
1	1240-1 British Lit/Writ Primary Teacher Rm: 213 Student Count: 28
2	1240-2 British Lit/Writ Primary Teacher Rm: 213 Student Count: 28
4	1043-4 Global Lit Primary Teacher Rm: 213 Student Count: 15
6	1240-6 British Lit/Writ Primary Teacher Rm: 213 Student Count: 29
7	1010-7 Lit/Writ Primary Teacher Rm: 213 Student Count: 23

	T1 (08/22/22-12/22/22)
1	2390-1 Pre Calculus Primary Teacher Rm: E202 Student Count: 37
2	7820-2 AP CS Principles Primary Teacher Rm: E204 Student Count: 36
3	7820-3 AP CS Principles Primary Teacher Rm: E204 Student Count: 35
4	2350-4 AP Comp Sci A Primary Teacher Rm: E204 Student Count: 35
5	2350-5 AP Comp Sci A Primary Teacher Rm: E204 Student Count: 34

	T1 (08/22/22-12/22/22)
1	7685-1 Commercial Art Primary Teacher Student Count: 20
2	6190-2 Photography 1 Primary Teacher Student Count: 32 --- 6200-2 Photography 2 Primary Teacher Student Count: 2
3	7670-3 Photo and Design Primary Teacher Student Count: 32
5	6120-5 Art 2 Primary Teacher Student Count: 1 --- 6130-5 Art 3 Primary Teacher Student Count: 12 --- 7790-5 Studio Art Primary Teacher Student Count: 16
6	6190-6 Photography 1 Primary Teacher Student Count: 34 --- 6200-6 Photography 2 Primary Teacher Student Count: 2

MVHS Math- Larger Departments Will Decline but Can Buffer Against Decline More Easily

MATH	21-22 Students	21-22 Req'd	21-22 Alloc	25-26 Students	25-26 Req'd	25-26 Alloc	Class Size
Geometry	116	3.57	4	98	3.0	3	32.7
Algebra 2	185	5.69	6	157	4.8	5	31.3
Alg 2/Trig	238	7.32	8	201	6.2	6	33.6
Apps Adv Math	44	1.35	2	37	1.1	1	37.2
Pre-Calc	169	5.20	6	143	4.4	4	35.7
Pre-Calc H	155	4.77	5	131	4.0	4	32.8
AP Calc AB	182	5.60	6	154	4.7	5	30.8
AP Calc BC	108	3.32	3	91	2.8	3	30.5
AP Statistics	311	9.57	9	263	8.1	8	32.9
Java	188	5.78	6	159	4.9	5	31.8
AP Comp Sci Prin	36	1.11	1	30	0.9	1	30.5
AP Comp Sci A	123	3.78	4	104	3.2	3	34.7
TOTALS	**1855**	**57.08**	**60**	**1569**	**48.3**	**48**	**32.7**

MVHS World Language Department- Projected

WORLD LANGUAGE	21-22 Stud.	21-22 Req'd.	21-22 Alloc.	Size	25-26 Stud.	25-26 Req'd.	25-26 Alloc.	Size
Japanese 1	35	1.08	1	35.00	30	0.91	1	30
Japanese 2	45	1.38	2	22.50	38	1.17	1	38
Japanese 3	24	0.74	1	24.00	20	0.62	1	20
Japanese 4H	1	0.03	1	26.00	1	0.03		
Japanese AP	25	0.80	0	0.00	21	0.65	1	22
Japanese Total	***130***	***4.00***	***5***	***26.00***	**110**	**3.38**	**4**	**28**
French 1	59	1.82	2	29.50	50	1.54	2	25
French 2	45	1.38	2	22.50	38	1.17	1	38
French 3	33	1.02	1	33.00	28	0.86	1	28
French 4H	23	0.71	1	23.00	19	0.60	1	19
French AP	22	0.68	1	22.00	19	0.57	1	19
French Total	***182***	***5.60***	***7***	***26.00***	**154**	**4.74**	**6**	**26**
Spanish 1	141	4.34	5	28.20	119	3.67	4	30
Spanish 2	195	6.00	6	32.50	165	5.08	5	33
Spanish 3	123	3.78	4	30.75	104	3.20	3	35
Spanish 4H	80	2.46	3	26.67	68	2.08	2	34
Spanish AP	23	0.71	1	23.00	19	0.60	1	19
Spanish Total	***562***	***17.29***	***19***	***29.58***	**475**	**14.63**	**15**	**32**
Chinese 1	22	0.68	1	22.00	19	0.57	1	19
Chinese 2	30	0.92	1	30.00	25	0.78	1	25
Chinese 3	63	1.94	2	31.50	53	1.64	2	27
Chinese 4H	80	2.46	2	40.00	68	2.08	2	34
Chinese AP	66	2.03	2	33.00	56	1.72	2	28
Chinese Total	***261***	***8.03***	***8***	***32.63***	**221**	**6.79**	**8**	**28**
TOTALS	**1135**	**34.92**	**39**	**29.10**	**960**	**29.54**	**33**	**29**

Music Department- Projected

Music 36:1	21-22 Stud.	21-22 Req'd.	21-22 Alloc.	21-22 Size	25-26 Stud.	25-26 Req'd	25-26 Alloc	25-26 Size
B Choir (Esperanza)	20	20.00	1	20.00	17	0	0	--
A Choir (Men's Choir)	10	10.00	1	10.00	8	0	0	--
Adv. Treble (Bella Voce)	18	18.00	1	18.00	15	1	1	40
Sm Mixed Vocal	38	38.00	1	38.00	32	1	1	32
Symphonic Band	40	40.00	1	40.00	34	1	1	34
Concert Band	37	37.00	1	37.00	31	1	1	31
Wind Ensemble	47	47.00	1	47.00	40	1	1	40
Orchestra	63	31.50	2	31.50	53	2	2	26.6
Chamber Orch	34	34.00	1	34.00	29	1	1	29
Total	**307**	30.70	**10**	**30.70**	**260**	**8**	**8**	**32.5**

SY 25-26 Projection

Vocal = 73

Instrumental = 187

MVHS Drama Department- Projected

Non Dept.	21-22 Stud.	21-22 Req'd.	21-22 Alloc.	Size	25-26 Stud.	25-26 Req'd	25-26 Alloc	Size
Drama	28	0.86	2	14.00	24	0.73	1	24
Advanced Drama	23	0.71	1	23.00	19	0.60	1	19
Adv Drama Honors	26	0.80	1	26.00	22	0.68	1	22
	77	**2.4**	**4**	**19.25**	**65**	**2.00**	**3**	**21.71**

Timeline and Next Steps for Short Term Proposal for Enrollment Re-Allocation

October 11

October 25

November 8