

Fruchthendler-Sabino Option Analysis

Fruchthendler Impacts

Based on typical transition rates from 5th grade to 6th grade for K-8 and K-6 schools, the change would add approximately 40 to 50 students to Fruchthendler, resulting in 2 small classes or 1 class and a combo class. However, in this instance, the potential 6th grade enrollment could be much larger.

Based on 2010 census data, for the Fruchthendler Area, there are over 40 students per grade in the K-5 level who do not attend TUSD schools and over 80 who do not attend TUSD schools in the 6th grade (see the map below). Thus, the projected change could easily increase to 55 students (two classes) based on successfully attracting students to stay in TUSD schools.

According to the current principal, the vast majority of Fruchthendler families choose to go outside of TUSD for middle school because there are two competitive middle school options within a mile of Fruchthendler (Esperero to the north and Basis to the west) and that the TUSD middle school (Magee) that TUSD feeds into is four miles away and the opposite direction most parents travel to get to work. Once this change happens, parents also tend to take their younger children from Fruchthendler to the adjoining elementary school in an effort to have all family members on the same district calendar.

The school has two resource rooms (Speech, GATE, Special Ed and ELD), 1 classroom, two portables and a computer room. Not counting the portables, the school has a capacity of 440 as currently used and the capacity could be increased to 470 by scheduling resource programs to share rooms and the portables. Now, with 350 students, Fruchthendler is at 80% utilization; with the additional students and revised scheduling, it would increase to 85% utilization, an ideal utilization rate.

The change is expected to have very little impact on the racial ethnic composition of Fruchthendler because the population that would attend the 6th grade has essentially the same composition as the current K-5 population.

Sabino HS Impacts

While there is little data to project Sabino impacts, it is expected that all of the Fruchthendler 6th graders would transition to Sabino. Based on the 2010 census, there are 190 middle-school-age students per grade (580 6th-8th graders total) in the Sabino Area who are not attending TUSD schools (see the map below). Thus the enrollment at Sabino would be at least 80 to 110 (the Fruchthendler transition only) and there is a strong potential to increase that enrollment by attracting some of the remaining students in the Sabino Area not already attending TUSD schools. The goal would be to add more students (up to 330 total) by recruiting students who don't now attend TUSD schools.

Sabino has a capacity of 1950; with approximately 1000 students it is at 52% utilization. With the changes it would increase to 60% to 70% utilization.

The change is expected to have very little impact on the racial ethnic composition of Sabino because the population that would attend the 7th and 8th grades has essentially the same composition as the current 9-12 population.

Magee MS Impacts

The change would, at most, reduce the enrollment of Magee by 30 students. Of the 55-60 students in the Fruchthendler 5th grade, approximately 10 transition into the Magee 6th grade (see the Notes section below); most of the rest (approximately 50) attend non-TUSD schools. It is expected that some of the Fruchthendler students (about 10 each year) will continue to matriculate to Magee and some 7th graders from Magee will select the Sabino option.

The change is expected to have a minimal impact on the racial ethnic composition of Magee because, although the population that would attend the Fruchthendler-Sabino option, does have a slightly different racial-ethnic composition than the remainder of the Magee population, the number choosing that option is relatively small. The table below shows a preliminary analysis of the racial-ethnic impacts on Magee.

Current SY14-15

School (grades)	Anglo	Afr Am	Hisp	Nat Am	Asian-PI	Multi	Total
Magee (6-8)	274	75	203	9	12	17	590
%	46%	13%	34%	2%	2%	3%	

Students Who May Elect the Fruchthendler-Sabino Option

School (grades)	Anglo	Afr Am	Hisp	Nat Am	Asian-PI	Multi	Total
Not Attending Magee	18	0	12	0	0	0	30
Ethnicity*	60%	0%	40%	0%	0%	0%	

* Based on students in the Fruchthendler and Sabino areas currently attending Magee

Projected Impact

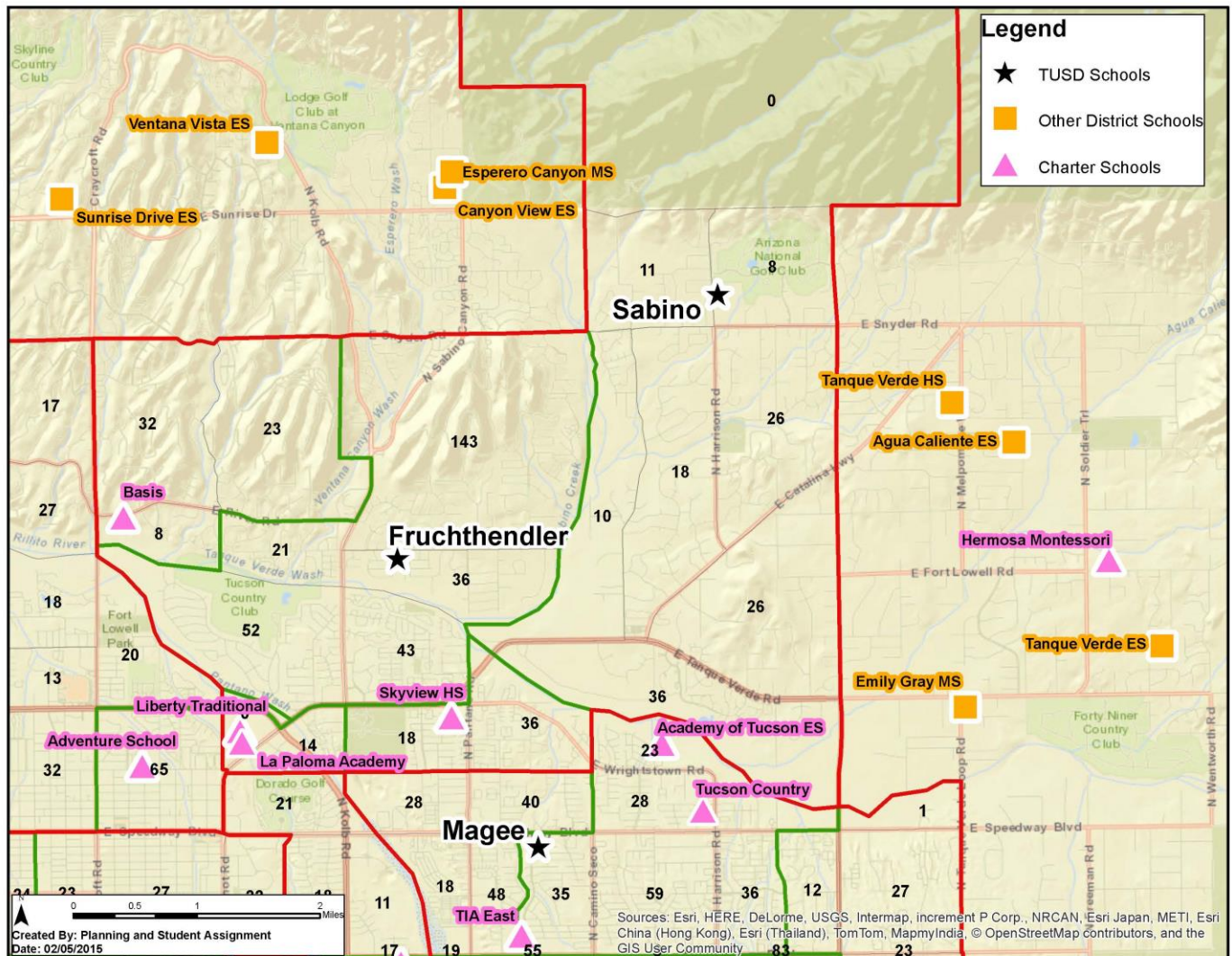
School (grades)	Anglo	Afr Am	Hisp	Nat Am	Asian-PI	Multi	Total
Magee (6-8)	256	75	191	9	12	17	560
%	46%	13%	34%	2%	2%	3%	

Impacts on Other Middle Schools

Recruitment efforts will be aimed at attracting students who do not attend TUSD schools rather than transferring students between TUSD schools. The impacts on other schools are expected to be minimal (less than a few students, as substantiated by attendance data provided in the Notes section below.)

Map of the Area

The following shows the Sabino Area, outlined in red, and within it, the Fruchthendler Area, in green. The Fruchthendler K-5 Area is wholly within the Sabino HS Area. The Sabino HS Area also includes the Collier K-5 Area and portions of Bloom, Hudlow, and Whitmore. At the middle school level, it includes a large portion of Magee and, to a much lesser extent, Booth-Fickett.



The numbers show the total number of middle-school-age students in 2010 who did not attend TUSD schools. The largest such number is in the area directly north of Fruchthendler.

Notes on the Above Demographic Analysis

- All of the projections are estimates based on current patterns of choice. There is no current data on 7th and 8th grade preference for a high school and little data on preferences for 6th grades in an elementary school. The exception is Drachman K-6 which has a 5th to

6th grade transition of 60 to 80%—in line with the 70% used in this analysis. The 5th to 6th transition rates at K-8 schools (50% to 80%) also support the estimate.

- The above estimates are based on current TUSD students. Because k-8 capture rates (TUSD students/total school age population) are less than 60% in the subject areas, there is a potential to attract students who do not currently attend TUSD schools and there is potential to attract students from outside TUSD. For example, as shown in the table below, 75% of the Fruchthendler 5th graders in SY2013-14 did not attend TUSD schools in 6th grade the following year.

Transition of Fruchthendler 5 th Graders into 6 th Grade	
School	Enrollment
Not in TUSD	47
Dodge Magnet	4
Doolen	1
Fickett Magnet	1
Gridley	1
Magee	9

- The Fruchthendler to Sabino transition would, conservatively, add 80-110 students to Sabino. To reach the goals set by the school, without impacting other TUSD schools, Sabino will need to recruit students who live in the Sabino Area but do not attend TUSD schools and, to a lesser extent, recruit students from outside TUSD. The potential of this approach is indicated in the table below, which shows that 82 students entering the Sabino 9th grade this year did not attend TUSD schools last year. This is supported by 2010 Census data that shows 580 middle-school-age students in the Sabino Area do not attend TUSD middle schools.

Transition of 8th Graders into the 9 th Grade at Sabino	
School	Enroll
TUSD Area students not in TUSD middle schools	82
TUSD Area students in TUSD middle schools	138
Amphitheater SD	1
Catalina Foothills SD	3
Sunnyside SD	5
Tanque Verde SD	33

Renovation Costs

To be provided separately.

Transportation Costs

The transportation analysis is based on a projection of 160 bus-riding students from the Fruchthendler and Collier areas. School leadership has proposed AM drop time of 8:30 and PM

dismissal at 3:55. These students would be transported separately from the high school routes already serving Sabino.

In a review of the current routing structure there are no available slots in the AM and PM time tiers requested. As the routing structure and availability within tiers for school year 2015/16 will not be known until June, the current year availability was used to project cost for the proposed option.

In order to accommodate the maximum projected need, up to four buses could be required. The fully loaded cost of each added bus is approximately \$65,000.00. The total cost of \$260,000 is a maximum that assumes buses dedicated to Sabino 7th and 8th grade students with no tiering opportunities (i.e. no bus and driver will be able to add a route before or after their existing route). If tiering opportunities are found or age-groups are combined the cost would reduce accordingly.