

Data Analysis/Interpretation

Overview of School

Bel Pre Elementary School is located in Montgomery County, Maryland, at 13801 Rippling Brook Drive, Silver Spring, MD, 20906. The principal is Mrs. Carmen Van Zutphen. This school serves children from Pre-Kindergarten through second grade. These children then attend Strathmore Elementary School for grades three to five.

School Demographics

Students

Table 1 gives the base data for Bel Pre Elementary School students in the 2003-2004 school year. There were 462 students enrolled and 58 staff members.

Table 1. Student data for the 2003-2004 school year, Bel Pre Elementary

	<i>% Rate</i>
<i>Attendance</i>	95%
<i>New Enrollments</i>	17.80%
<i>FARMS</i>	47.80%
<i>Limited English Proficiency</i>	8.40%
<i>Special Education</i>	8.10%
<i>Withdrawals</i>	9.60%

Source: Montgomery County Public Schools Website

Bel Pre Elementary School had a 95% attendance rate. New enrollments accounted for a 17.8 % increase in students, while withdrawals led to a decrease of 9.6 %.

Table 2. Student enrollment by race, gender and special interest groups for the 2003-2004 school year, Bel Pre Elementary

2003 - 2004 Official Enrollment = 462								
	% Total	% Gender		% Racial/Ethnic Composition				
		Female	Male	Afr Am	Am Ind	Asian	Hisp	White
All Students		48.5	51.5	46.1	0.6	10.8	29.9	12.6
SPED	7.4	1.9	5.4	3.5	0	0.2	2.2	1.5
ESOL	8.4	3.7	4.7	1.3	0	1.5	4.9	0.6
FARMS	47.8	23.2	24.7	24.5	0.2	3	18.2	1.9

Source: Montgomery County Public Schools Website

Teaching Staff

The teaching staff is 100% fully certified. Approximately 41% (40.6 %) of the teachers have a Standard Professional Certificate, while 59.4 % hold Advanced Professional Certificates.

In 2004, the staff consisted of 34 classroom teachers, 3 special education teachers, 7.775 instructional assistants, 1 reading specialist, 1 staff development coordinator, a 0.8 ESOL teacher, 1 counselor, 1 media specialist, and 8 building, food and administrative support staff.

The average class size in Kindergartens is 15.3, and 16.7 students for grades 1 and 2.

Demographics of the Bel Pre Community

Bel Pre Elementary hosts families that live in the Bel Pre area of Silver Spring Maryland, in the 20906 zip code. There are 61,284 residents in this community (2000, U.S. Census.) This population can be recognized for its age and gender, race, citizenship, language, education, and household income.

Age and Gender

Among the population of 61,097 people, 46% of them are male, and 54% of them are female.

Table 3 shows the breakdown of population by age.

Table 3. 20906 Region Demographics: Population by Age

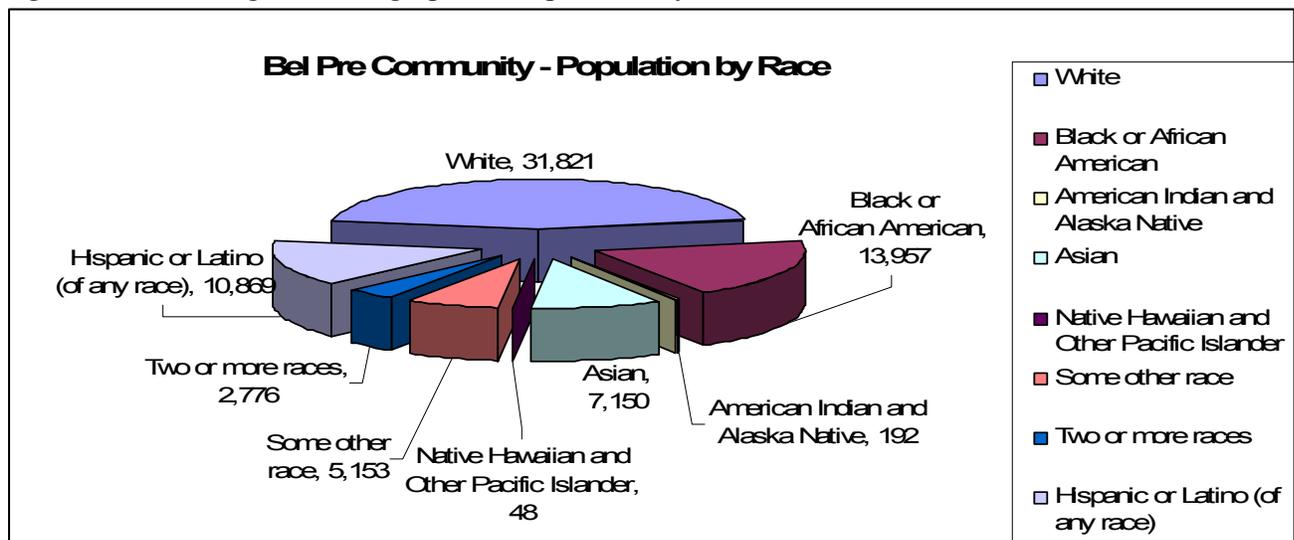
Age	Population	Percentage
Under 5 years	3,829	6.3%
5 to 9 years	3,894	6.4%
10 to 14 years	3,759	6.2%
15 to 19 years	3,356	5.5%
20 to 24 years	3,542	5.8%
25 to 34 years	8,781	14.4%
35 to 44 years	9,829	16.1%
45 to 54 years	7,796	12.8%
55 to 59 years	2,821	4.6%
60 to 64 years	2,234	3.7%
65 to 74 years	4,466	7.3%
75 to 84 years	4,912	8.0%
85 years and over	1,878	3.1%

Source: 2000 Census Report

Race

The Bel Pre community is a racially diverse area. The majority of the residents are white. There are large black and Hispanic communities in the region also. The racial statistics are shown in Figure 1.

Figure 1. 20906 Region Demographics: Population by Race



Source: 2000 Census Report

Population by Citizenship and Place of Birth

The 2000 census indicates 34.1% of the population of the 20906 area were immigrants. This means that 20,909 of the 61,284 residents are not naturally born citizens. Of the 20,909 immigrant population, 55% were not citizens in the year 2000.

These numbers come from the 2000 Census report, and therefore may be out of date.

Additionally, this number might be an underestimated number as many residents may not have participated in the survey because of illegal immigration status.

Education

The residents of the Bel Pre community also show a diverse range of educational backgrounds. As indicated in Table 4, there are a number of residents who have attained college degrees, and almost all (84.2%) of the residents over 25 years of age have achieved at least a high school diploma.

Table 4. 20906 Region Demographics: Educational Achievement

EDUCATIONAL ATTAINMENT	Total	Percentage
Population 25 years and over	42,901	100.0
Less than 9th grade	2,987	7.0
9th to 12th grade, no diploma	3,774	8.8
High school graduate (includes equivalency)	9,527	22.2
Some college, no degree	8,642	20.1
Associate degree	2,125	5.0
Bachelor's degree	9,004	21.0
Graduate or professional degree	6,842	15.9

Source: 2000 Census Report

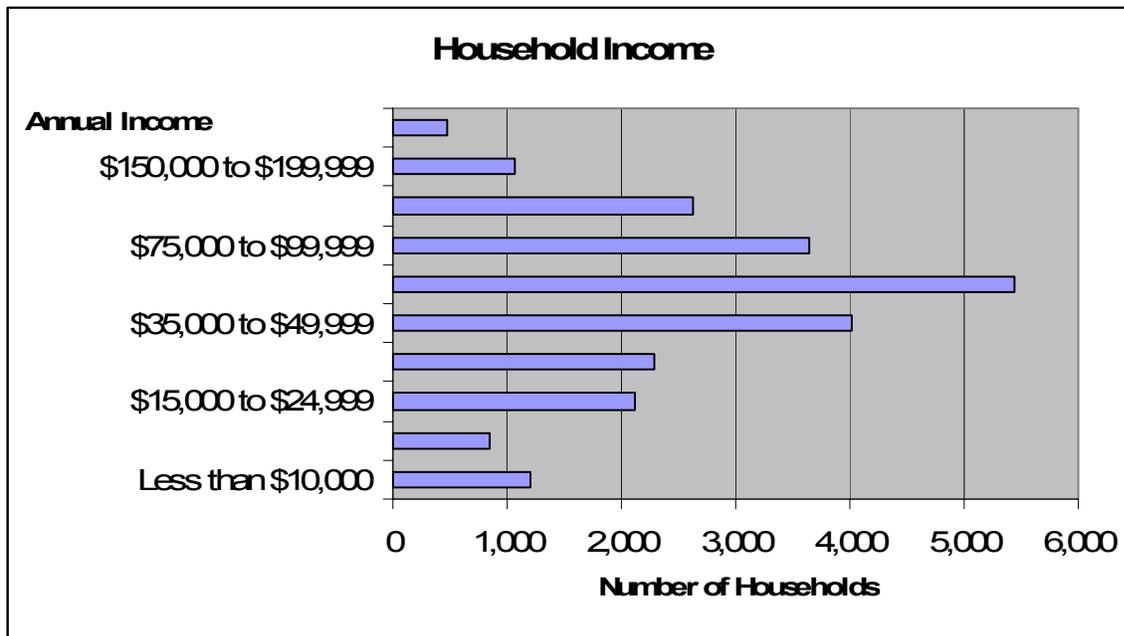
Language

Approximately 40% of those over the age of five speak a language other than English in the home. Approximately half of these non-English speaking homes speak Spanish as their primary language. Therefore, 20% of the population over the age of five in the Bel Pre community speak Spanish in their homes.

Household Income

The households in the area also display a range of incomes. While there are households at both ends of the income spectrum, a large majority of the households in this region are in the \$35,000 to \$100,000 a year range (see Figure 2). Bel Pre could be considered a middle class neighborhood.

Figure 2. 20906 Region Demographics: number of households in each income range



Source: 2000 Census Report

Adequate Yearly Progress at Bel Pre Elementary

As shown in Table 5, Bel Pre Elementary School met Adequate Yearly Progress (AYP) in 2004.

Table 5. Bel Pre Elementary: Average Yearly Progress 2004 by Race/Ethnicity and Special Interest Groups

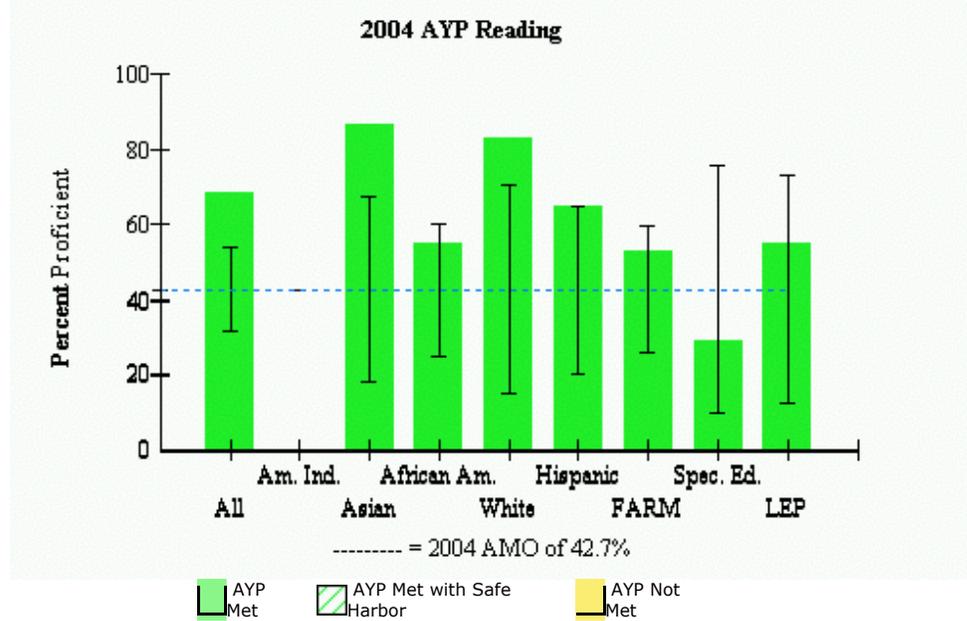
Montgomery County (LEA:15) Bel Pre Elementary (ID:0780)					
2004 AYP:	Met				
Show Trends	All indicators must be "Met" to make AYP. For details, click on the links below.				
	Percent Proficient		Participation Rate		
	Reading	Mathematics	Reading	Mathematics	Attendance
All Students	Met	Met	Met	Met	Met
American Indian/ Alaskan Native	---	---	---	---	
Asian/Pacific Islander	Met	Met	Met	na	
African American	Met	Met	Met	Met	
White (not of Hispanic origin)	Met	Met	na	na	
Hispanic	Met	Met	Met	Met	
Free/Reduced Meals	Met	Met	Met	Met	
Special Education	Met	Met	na	na	
Limited English Proficient	Met	Met	na	na	

'--' indicates no students in the category. 'na' indicates too few students for AYP rules.

Source: Montgomery County Public Schools Website

Figure 3 indicates that all student sub-groups met AYP in reading in 2004, although not all groups met the states target Annual Measurable Objective (AMO) set at 42.7%. The Special Education sub-group did not meet the AMO. However, since there are so few students in this category, the confidence interval (formula adjustment) allowed this group to meet AYP. As the AMO increases to 50.9% in 2004-05 this will be an area of concern for this school.

Figure 3. Bel Pre Elementary: 2004 AYP Reading for Students by Race/Special Interest Groups



Source: Maryland Report Card

Table 6. Bel Pre Elementary: AYP Reading for Students by Race/Group.

	2004 AYP Reading			
	Percent Proficient	Number Proficient	Total Students	Confidence Interval
All Students	68.2	103	151	31.6 - 53.8
American Indian/Alaskan Nat	**	**	**	**
Asian/Pacific Islander	86.7	26	30	24.2 - 75.4
African American	55	33	60	32.0 - 67.6
White (non-hispanic)	83.3	20	24	21.1 - 78.5
Hispanic	64.9	24	37	27.2 - 72.4
FARMS	53	35	66	32.7 - 66.9
Special Education	29.4	5	17	16.4 - 83.2
Limited English Proficient	55	11	20	18.2 - 81.4

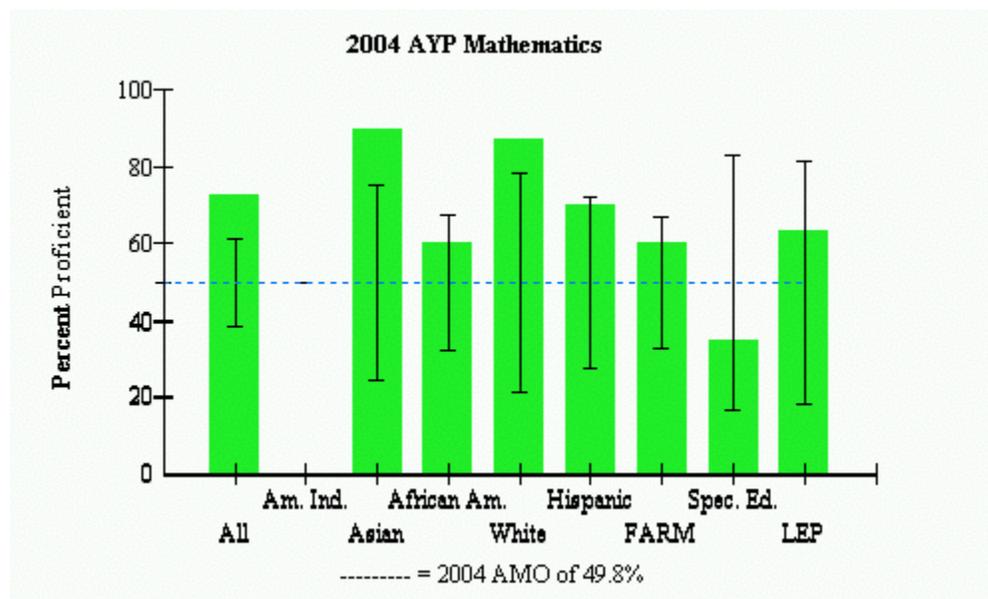
**' indicates no students in the category.

Source: Maryland Report Card

Adequate Yearly Progress in Math

Similar trends can be seen in the 2004 Math assessment data shown in Figure 5. All the scores are within the confidence interval for meeting their AYP scores. However, once again, the Special Education students are not reaching the state target AMO of 49.8% proficiency. Also note that there are this time four other areas of students that appear to have met their AYP, but they are not reaching the highest confidence interval. While the Special Education population is of major concern, other areas for improvement could include the African American, FARM, and LEP sub-groups.

Figure 4. Bel Pre Elementary: AYP Math for Students by Race and Special Interest Groups



Source: Maryland Report Card

Technology Inventory at Bel Pre Elementary

The 2004 Maryland Technology Inventory Report indicates there was a computer to student ratio of 3.3 to 1 at Bel Pre Elementary School. There was a total of 106 computers at this school. All have internet access. Computers were used by 91% of the teachers at Bel Pre. 80% of these teachers used the internet as well, and 99% of the teachers reported that they integrated technology. Other types of technology that are available at Bel Pre Elementary include computer projection devices, overhead projectors, TV/Videos, and various assistive technology devices. It is estimated that 45% of the students at Bel Pre have internet connection at home.

Identified Area for Program Enhancement

Because there is a gap in the AYP results for both reading and math with those students who are African American, qualifying for F.A.R.M., in special education, or non-English proficient, the school needs to address these critical areas. Specifically the children receiving Special Education or those who are non-English proficient are falling the most behind. Therefore, this school should design a program to help these students in becoming more successful in these areas. Possibilities for enhancement might include intensive teaching programs, individualized study programs, and aid in test-taking.

References

Maryland State Department of Education (2004). Maryland Report Card. Last updated October 29, 2004. Retrieved October 29, 2004 from <http://www.mdreportcard.org/index.aspx>

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