

MEMORANDUM

April 15, 2024

TO: Bryan Robert Reeves
Director, Accountability & Reporting

FROM: Allison E. Matney, Ed.D.
Executive Director, Assessment Accountability, and Compliance

SUBJECT: **SUMMER SCHOOL EDUCATION PROGRAM, 2022–2023**

Each year, the Houston Independent School District (HISD) provides Summer School Education programs designed to support students with diverse instructional needs. In 2023, centrally coordinated summer school programs included accelerated instruction, bilingual, or English as a Second Language (ESL) classes, credit accrual/recovery, Extended School Year (ESY) services, Promotion/Retention classes, and other school-based programs. This report presents the enrollment and outcomes for students who attended summer school in 2023 based on either their retention status at the end of spring 2023 or for other reasons, such as academic enrichment.

Key findings include:

- A total of 26,287 students in grades 1–12 attended the HISD 2022 Summer School Education Program, with 18,061 of these students in grades 1–8.
- Among the 18,061 students in grades 1–8 who were retained at the end of spring 2023 and attended the 2023 summer school program, 95 percent were retained because they did not meet course grade requirements or by committee decision.
- For students in grades 1–8 who were retained in spring 2023 and attended the 2023 Summer School Education Program, 73 percent were promoted after either meeting the appropriate promotion standards or by committee decision. About 20 percent of students did not receive a promotion status following summer school participation.
- The strongest predictor of grades 1–8 student retention after attending the summer school program was economically disadvantaged status. Economically disadvantaged students were 1.4 times more likely to be retained than students not identified as economically disadvantaged.
- A total of 8,226 students in grades 9–12 attended a total of 15,524 courses, with 93 percent passing.

Further distribution of this report is at your discretion. Should you have any further questions, please contact me at 713-556-6700.

BRR

Attachment

Summer School Education Program: 2022–2023

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Abstract

The 2023 Summer School Education Program provided students, retained at the end-of-spring 2023, the opportunity to meet promotion standards. Additionally, the summer school program provided students who did not meet STAAR course achievement requirements in grades 9–12 access to subject specific tutoring and the opportunity to take credit recovery courses to stay on-time for graduation. Of the students in grades 1–8 who were retained in spring 2023 and attended the 2023 Summer School Education Program, 72.9 percent were promoted either by meeting the appropriate promotions standards or by committee decision, this low percentage can be explained by 20.1 percent of students not having a promotion status following summer school participation. The strongest predictor of students in grades 1–8 being retained after attending the summer school program was economic disadvantage status with the odds at 1.4 times greater than students not identified as being economically disadvantaged, controlling for all other factors in the model. Of all courses taken, 93.1 percent were passed successfully. Additionally, 92.7 percent of courses taken were in one of the four core subjects (English Language Arts, mathematics, science, and social studies). For students in grades 9–12, the majority of courses taken were credit recovery (87.4 %). With strong academic support during the summer school program, academic benefits for retained students or students in credit recovery courses was evident in the end-of-summer outcomes for the majority of summer school participants.

Introduction

Each year, the Houston Independent School District (HISD) offers the Summer School Education Program, which is designed to assist students with a variety of instructional needs. In 2023, centrally coordinated summer school programs included accelerated instruction for State of Texas Assessments of Academic Readiness (STAAR) and STAAR End-of-Course (EOC) re-testers; Emergent Bilingual (EB) students, formerly referred to as English Learners (EL), receiving English as a Second Language (ESL) classes; credit accrual/recovery for students needing to graduate; Extended School Year (ESY) services; promotion/retention classes; and other school-based programs. The Summer School Education Program supports HISD's Board Goal 3: Academic Growth. This report shows student enrollment and outcomes for students who attended summer school in 2023 based on retention status at the end of spring 2023 or for other reasons, such as academic enrichment.

Background

Figure 1, shows the location of grades 1–8 campuses within HISD that offered summer school for students who were retained in spring 2023. The summer 2023

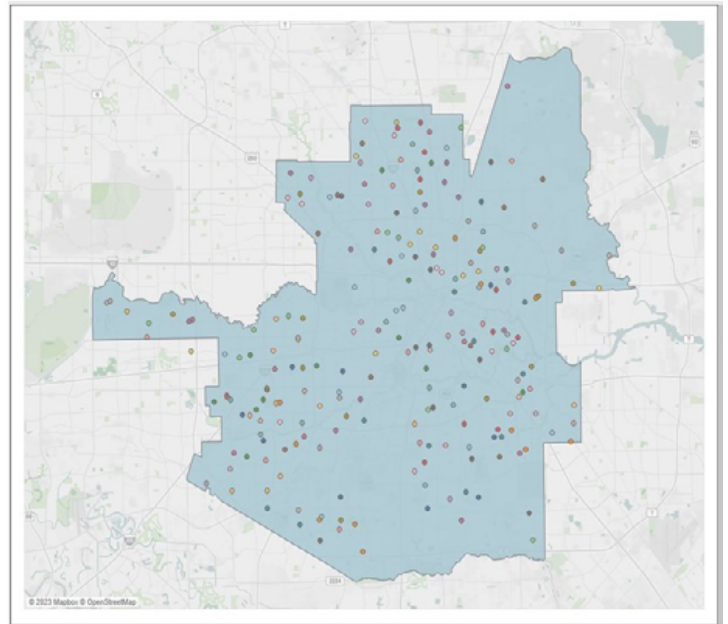


Figure 1: HISD 2023 summer school campuses grades 1–8, by campus name (select image above to access **Tableau Map by Campus.**)

program took place from June 6, 2023 to June 30, 2023. The 2023 Summer School Education Program allowed students who did not meet the applicable promotion standards the opportunity to repeat the required courses needed for promotion. For other students, the summer school program provided the opportunity to advance their studies by taking required courses before the next school year or to receive specialized instruction based on eligibility. This report addresses eligibility, enrollment, attendance, and outcomes for the 2023 HISD summer school program.

Research Questions:

- 1) How many students were eligible for summer school participation in 2022–2023?
- 2) How many students in grades 1–12 that attended the HISD 2023 Summer School Education Program?
- 3) What were the reasons retained students in grades 1–8 attended the 2023 Summer School Education Program?
- 4) What were the demographic characteristics of retained students in grades 1–8 who attended the 2023 Summer School Education Program, compared to prior year?
- 5) How many students in grades 1–8 were promoted or retained following the 2022 and 2023 spring semesters and Summer School Education Program?
- 6) What type of courses did students in grades 9–12 take during the 2023 Summer School Education Program?

Review of the Literature

In an effort to hold public schools and students responsible for academic achievement, many states have implemented accountability measures (Battistin & Schizzerotto, 2019; Campbell, Sutter, & Lambie, 2019; Valbuena, Mediavilla, Choi, & Gil, 2021; Young et al., 2019). These accountability measures have led to the implementation of programs to help low achieving students meet minimum promotion standards, such as after school interventions and required summer school. (Folsom, Reed, Aloe, & Shmitz, 2019; Pennell, 2020; Young et al., 2019). Promotion standards require a student to meet an academic benchmark at or above grade level to be promoted to the next grade level (Battistin & Schizzerotto, 2019; Valbuena, Mediavilla, Choi, & Gil, 2021; Young et al., 2019). The Houston Independent School District (HISD) has set promotion standards for grades 1 through 8, which include requiring students to meet state yearly grade average in core subjects; passing the High Frequency Word Examination (HFWE) for grades 1 and 2; and no more than ten percent unexcused absence for all days of instruction (Houston Independent School District, 2022). Students who do not meet the required promotion standards are encouraged to attend summer school as an opportunity to meet requirements for grade advancement.

Methods

Study Population

Student enrollment, demographic characteristics, and academic performance data for the evaluation were obtained using a variety of sources. Several student data files were used for spring 2023 and summer 2023 information, including end-of-year (EOY) promotion, retention, and enrollment [(Promotion Standards file, 2022–2023 and 2022–2023 OnPoint Fall PEIMS)] and student demographics [Promotion Standards file, Fall PEIMS, and Student

Information System (SIS) C7 (summer cycle) file].

Data Collection and Analyses

For this report, an HISD student cohort showing all students eligible for summer school was created using the SIS Ad Hoc Spring 2023 file for purposes of analyzing student demographics. A total of 108,214 students in grades 1–8 was included for summer school eligibility. Further, a total of 39,845 students in grades 9–12 was identified as eligible for the 2023 summer school program using the SIS Ad Hoc file.

Students from the Promotion Standards file were included in the 2023 HISD summer school cohort if they had a summer school promotion standard status in grades 1–8 (n=18,061). A summer school enrollment indicator in the SIS C7 (summer cycle) file identified 8,061 students in grades 9–12 who enrolled in the 2023 Summer School Education Program. A total of 26,287 HISD students from grades 1–12 attended the 2023 Summer School Education Program. More detailed results from these data sources are reflected in the figures contained within the Tableau dashboards.

Tableau Dashboard by Campus (Grades 1 through 8) can be found at https://public.tableau.com/views/SummerSchoolProgram2022-2023_Grade1-8byCampus/SummerSchool2022-2023Grades1-8byCampus?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link and provides information on students in grades 1–8 that attended summer school based on being retained at the end of spring 2023, filtered by campus.

Tableau Dashboard High School can be found at https://public.tableau.com/views/SummerSchoolProgram2022-2023_Grade9-12/Grade9-12?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link and shows a detailed campus breakdown of students in grades 9–12 that attended summer school in 2023.

Direct logistic regression was performed to assess the impact of a set of predictor variables on the odds that students retained at the end of spring 2023 would also be retained at the end of summer 2023.

Study Limitations

The summer school days attended were not available for this report. Therefore, the researcher used the summer school promotion status indicator to identify students in grades 1–8 who were retained in spring 2023 and attended the summer 2023 program.

How many students were eligible for summer school participation in 2022–2023?

A total of 148,059 HISD students enrolled in grade 1–grade 12 at the end of the 2023 spring semester were available for summer school participation (**Table A–1**, p. 5). This enrollment number does not include students identified as ‘graduated’ and is different from the fall PEIMS snapshot of enrollment taken in October. The enrollment number more closely reflects students available at the end of the school year to attend summer school.

How many students in grades 1–12 attended the HISD 2023 Summer School Education Program?

A total of 26,287 students in grades 1–12 attended the

HISD Summer School Education Program (**Table A–2**, p. 5) for enrichment (extended school year, campus enrichment, or reading intervention) or failing to meet HISD promotion standards. Based on the 2023 spring enrollment, grade 9 had the largest proportion of spring 2023 students enrolled in the 2023 summer school program (14.9 percent), followed by grade 1 (14.1 percent). By contrast, grade 12 had the lowest proportion of spring 2023 students enrolled in the 2023 Summer School Education Program (0.4 percent).

What were the reasons retained students in grades 1–8 attended the 2023 Summer School Education Program?

Of the 18,061 students in grades 1–8 who were retained at the end of spring 2023 and attended the 2023 Summer School Education Program, 64.4 percent were retained because they did not meet course requirements, 30.0 percent were retained by committee decision (but met grade requirements) (**Figure 2**).

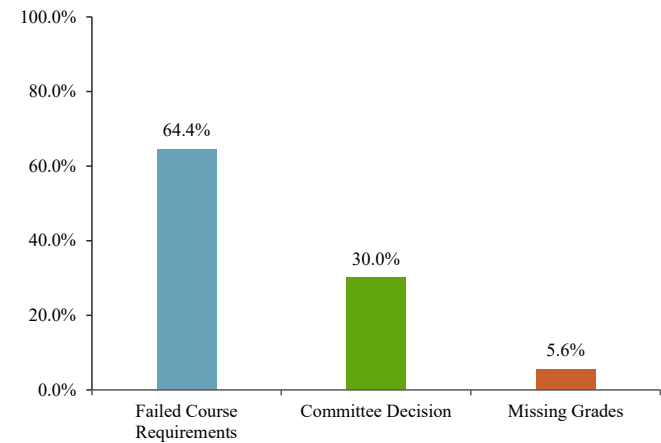


Figure 2: Reason for retention at end-of-spring 2023, by percentage

Additionally, 5.6 percent were retained for missing grades. For a more detailed view at the campus level go to **Tableau Dashboard by Campus (Grades 1 through 8)**, (p.2).

What were the demographic characteristics of retained students in grades 1–8 who attended the 2023 Summer School Education Program compared to the prior year?

Summer school attendance for retained students grades 1–8 increased from 15,171 in summer 2022 to 18,061 students in summer 2023 (**Table A–3**, p. 6). A higher proportion of students that were retained and attended summer school 2023 were identified as Emergent Bilingual (EB) (44.0 percent) when compared to summer school 2022 (16.8 percent). As shown in **Table A–4** (p. 6), Hispanic students were a smaller proportion of retained students that attended summer school 2023 (64.2 percent) when compared to summer school 2022 (64.7 percent).

How many HISD students in grades 1–8 were promoted or retained following the 2022 and 2023 spring semesters and Summer School Education Program?

As shown in **Table A–5** (p. 7), 20.1 percent of students in grades 1–8 who were retained in spring 2023 and attended the 2023

summer school program did not have a promotion status indicated, while only 72.9 percent were shown to have met promotion standards compared to 87.9 percent of similar students who attended the 2022 summer school program. Therefore, all grades had a smaller percentage of students shown to have been promoted following 2023 summer school when compared to similar students following summer school 2022.

Logistic Regression

Direct logistic regression was performed to assess the impact of a set of predictor variables on the odds that students retained at the end of spring 2023 would also be retained at the end of summer 2023. The model contained five independent variables [sex, latest economic disadvantage status, latest Emergent Bilingual (EB) status, minority status, and latest special education (SPED) status]. The full model containing all predictors was statistically significant, $X^2(5, N = 14,378) = 15.93, p < .05$, indicating the model was able to distinguish between students that were retained at the end of summer 2023 and those students that were not retained at the end of summer 2023. The model as a whole correctly classified 91.5% of cases. As shown in **Table B–1** (p. 8), only one of the independent variables made a unique statistically significant contribution to the model (latest economic disadvantage status). The strongest predictor of students retained in spring 2023 being retained in summer 2023 was latest economic disadvantage status, recording an odds ratio of 1.4. This indicated that the odds are 1.4 times greater that students with an economic disadvantage would be retained at the end of summer 2023 than those not identified as being economically disadvantaged, controlling for all other factors in the model.

What type of courses did students in grades 9–12 take during the 2023 Summer School Education Program?

In the 2023 summer school program 8,226 students in grades 9–12 took a total of 15,524 courses. Courses were comprised of credit recovery (87.4 percent), not identified (10.3 percent), and original credit (2.3 percent). Of all courses taken, 93.1 percent were passed successfully. Additionally, 92.7 percent of all courses taken were in one of the four core subjects (English language arts, mathematics, science, or social studies). For a more detailed view at the campus level go to **Tableau Dashboard High School** (p.2).

Discussion

The 2023 Summer School Education Program allowed students who did not meet the applicable promotion standard the opportunity to successfully meet the requirements for promotion. Promotion standards included course grades, and for grades 1 and 2 passing the High Frequency Word Examination (HFWE). For other students, it provided the opportunity to get ahead by taking the required courses before the next school year or to receive specialized instruction based on eligibility. A total of 26,287 student in grades 1–12 attended the HISD 2023 summer school program. Of this total, the majority (n=18,061) were in grades 1–8.

The number of students who were retained following the spring semester and attended summer school showed an increase in 2023 when compared to the previous year (18,061 vs. 15,171, respectively). The course work promotion standard accounted for 64.4 percent of retained students who attended the 2023 summer school program, followed by 30 percent who were retained by

committee decision. Of the students in grades 1–8 who were retained in spring 2023 and attended the 2023 summer school program, 72.9 percent were promoted either by meeting the appropriate promotions standards or by committee decision, 20.1 percent did not have a summer school promotion status indicated, and 6.8 percent were retained.

The strongest predictor of students retained in spring 2023 being retained in summer 2023 was the economic disadvantage status, recording an odds ratio of 1.4. This indicated that the odds are 1.4 times greater that economically disadvantaged students would be retained at the end of summer 2023 compared to non-economically disadvantaged students, controlling for all other factors in the model.

In the 2023 summer school program 8,226 students in grades 9–12 took a total of 15,524 courses. The majority of courses were credit recovery (87.4 percent). Of all courses taken, 93.1 percent were passed successfully. Additionally, 92.7 percent of all courses taken were in one of the four core subjects (English Language Arts, mathematics, science, or social studies). With strong academic support during the summer school program, academic benefits for retained students or students in credit recovery courses was evident in the end-of-summer outcomes for the majority of summer school participants.

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Appendix A

Table A–1. HISD Students eligible for Summer School Participation in 2023*

2022-2023 Grade Level	HISD Total (N)	Asian/Pacific Islander		African American		American Indian or Alaska Native		Hispanic		Two or More Races		White	
		N	%	N	%	N	%	N	%	N	%	N	%
1	15,084	759	5.0	3,091	20.5	23	0.2	9,354	62.0	319	2.1	1,537	10.2
2	14,226	722	5.1	3,089	21.7	19	0.1	8,791	61.8	250	1.8	1,354	9.5
3	13,800	715	5.2	2,832	20.5	24	0.2	8,584	62.2	268	1.9	1,377	10.0
4	14,175	763	5.4	2,914	20.6	16	0.1	8,939	63.1	236	1.7	1,307	9.2
5	14,281	679	4.8	2,965	20.8	17	0.1	9,092	63.7	240	1.7	1,288	9.0
6	11,569	600	5.2	2,506	21.7	14	0.1	6,992	60.4	242	2.1	1,214	10.5
7	12,147	586	4.8	2,596	21.4	19	0.2	7,526	62.0	194	1.6	1,226	10.1
8	12,932	585	4.5	2,787	21.6	24	0.2	8,073	62.4	218	1.7	1,244	9.6
9	15,577	746	4.8	3,343	21.5	34	0.2	9,945	63.8	229	1.5	1,279	8.2
10	12,846	557	4.3	2,737	21.3	25	0.2	8,061	62.8	205	1.6	1,261	9.8
11	10,751	497	4.6	2,282	21.2	27	0.3	6,558	61.0	159	1.5	1,228	11.4
12	671	18	2.7	166	24.7	*	*	451	67.2	5	0.7	30	4.5
Total	148,059	7,227	4.9	31,308	21.1	243	0.2	92,366	62.4	2,565	1.7	14,345	9.7

Source: 2023 spring ad hoc enrollment file

Note: *means less than five students.

Table A–2. Spring HISD Enrollment and HISD Summer School Program Enrollment by Grade Level, 2023

Grade	1	2	3	4	5	6	7	8	9	10	11	12	Total
HISD Spring Grade En- rollment	15,084	14,226	13,800	14,175	14,281	11,569	12,147	12,932	15,577	12,846	10,751	671	148,059
Summer School En- rollment	3,710	2,874	2,277	2,072	1,812	1,408	1,966	1,942	3,913	2,439	1,604	105	26,287*
% of HISD Spring Grade En- rollment	10.2	9.6	9.3	9.6	9.6	7.8	8.2	8.7	10.5	8.7	7.3	0.5	100.0
% of Total Summer School En- rollment	14.1	10.9	8.7	7.9	6.9	5.4	7.5	7.4	14.9	9.3	6.1	0.4	100.0

Source: 2023 spring ad hoc enrollment file; 2023 promotion file

Note: *165 students had no grade level indicated.

Appendix A (continued)

Table A–3. Demographic Characteristics of Students Retained and Who Attended Summer School Program, Grades 1–8, Spring 2022 and 2023

Grade	Total Retained Spring 2022	Total Retained Spring 2023	Gender				Emergent Bilin- gual		Special Edu- cation		Title I	
			Male		Female							
			2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
	N	N	%	%	%	%	%	%	%	%		
1	3,115	3,710	51.4	52.6	46.5	45.4	8.3	39.3	7.7	16.3	95.4	84.3
2	2,431	2,874	53.0	53.0	45.3	44.9	9.2	44.1	11.4	17.4	95.2	86.2
3	1,994	2,277	52.0	52.8	45.9	45.7	8.9	46.5	7.5	12.6	94.9	85.3
4	1,845	2,072	52.6	53.1	45.8	45.2	11.2	47.0	7.3	14.3	94.8	88.1
5	1,597	1,812	55.4	56.7	43.1	42.4	11.6	48.7	7.3	11.9	94.0	86.4
6	1,232	1,408	58.1	54.4	40.1	43.8	33.0	43.8	8.6	14.8	90.7	84.9
7	1,468	1,966	56.9	58.1	40.9	41.0	33.3	43.9	8.2	14.2	90.1	86.5
8	1,489	1,942	56.5	57.5	40.6	41.3	40.5	42.6	7.1	13.2	90.2	88.6
Total	15,171	18,061	53.9	54.4	44.2	44.0	16.8	44.0	8.2	14.7	93.1	86.1

Source: 2022 promotion file; 2023 promotion file

Note: *means that 295 students had no gender identified.

Table A–4. Racial/Ethnic Composition of Retained Students Who Attended Summer School Program, Grades 1–8, 2022 and 2023

Grade	Total Retained Spring 2022	Total Retained Spring 2023	Race/Ethnicity							
			African American		Hispanic		White		Other*	
			2022	2023	2022	2023	2022	2023	2022	2023
			%	%	%	%	%	%	%	%
1	3,115	3,710	29.5	25.3	63.4	62.4	2.1	6.1	2.9	4.2
2	2,431	2,874	29.7	26.9	63.1	63.4	2.2	4.4	3.3	3.2
3	1,994	2,277	27.4	26.2	67.0	64.4	1.7	4.1	1.9	3.8
4	1,845	2,072	30.1	26.4	64.3	64.9	1.7	4.0	2.3	3.0
5	1,597	1,812	27.7	27.4	66.1	64.7	2.3	4.1	2.6	2.9
6	1,232	1,408	32.0	26.8	63.5	63.6	1.8	5.3	1.0	2.5
7	1,468	1,966	28.5	25.6	63.2	67.1	4.2	4.1	2.0	2.3
8	1,489	1,942	23.5	27.6	68.8	65.2	3.1	4.3	1.7	1.7
Total	15,171	18,061	28.7	26.4	64.7	64.2	2.3	4.7	2.4	3.1

Source: 2022 promotion file; 2023 promotion file

Note: *Other means Asian, Native American, Two or More, or Pacific Islander.

Appendix A (continued)

Table 5. Promotion Following Summer School, 2021–2022 and 2022–2023

Grade	2021–2022			2022–2023				
	Retained/At- tended N	Promoted N	Promoted %	Retained/At- tended N	Promoted N	Promoted %	Not Indicated N	Not Indicated %
1	3,115	2,373	76.2	3,710	2,212	59.6	914	24.6
2	2,431	1,971	81.1	2,874	1,962	68.3	614	21.4
3	1,994	1,809	90.7	2,277	1,703	74.8	439	19.3
4	1,845	1,735	94.0	2,072	1,571	75.8	409	19.7
5	1,597	1,550	97.1	1,812	1,459	80.5	334	18.4
6	1,232	1,145	92.9	1,408	1,065	75.6	296	21
7	1,468	1,345	91.6	1,966	1,591	80.9	320	16.3
8	1,489	1,412	94.8	1,942	1,601	82.4	313	16.1
Total	15,171	13,340	87.9	18,061	13,164	72.9	3,639	20.1

Source: 2022 promotion file; 2023 promotion file

Appendix B

Table B–1

Logistic Regression Predicting the Likelihood of a Student being retained at the end of summer 2023

	B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
							Lower	Upper
Latest Economic Disadvantage Indicator	0.3	0.1	11.4	1	0.0	1.4	1.1	1.7
Latest SpEd Indicator	0.2	0.1	2.9	1	0.1	1.2	1.0	1.4
Latest ESL Indicator	0.1	0.1	0.8	1	0.4	1.1	0.9	1.2
Minority_Status	-0.1	0.2	0.1	1	0.7	0.9	0.6	1.4
Female_male	-0.1	0.1	0.8	1	0.4	0.9	0.8	1.1
Constant	2.1	0.2	100.7	1	0.0	8.4		

*p < 0.05