## Strong Prekindergarten Programs for Solid Starts

**HISD Board of Education** 

# **HISD PK Investment**

"The results of a recently completed capstone project that studied relative costs versus potential benefits of making high-quality prekindergarten universally available across Texas, shows for every dollar invested the state will receive \$3.50 in return."

Lori L. Taylor, Economist and Assistant Professor at the Bush School of Government and Public Service

#### PK Investment History – Full Day

Year	Total Investment	Teacher Positions
2006-2007	\$34,346,704.	683
2007-2008	\$37,759,008.	698
2008-2009	\$41,094,144.	728

Funding sources:

- State ADA funds 50% of the teacher's salary
- District Wide Title I invested funds for 08-09, \$14,400,000
- TEA PK Expansion Grant 08-09, \$5, 155, 969

#### **TEA - PK Full Day Expansion Grant**

#### **Five Year History**

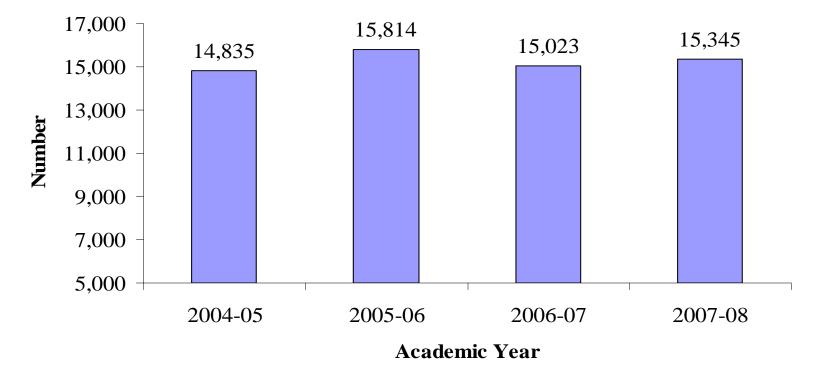
Year	04-05	05-06	06-07	07-08	08-09
Amount	\$5,331,834	\$5,244,816	\$5,419,094	\$5,199,589	\$5,155,969
No. of Schools	103	76	82	70	69
No. of Classrooms	219	177	185	154	146

# Data

"Children who take part in high-quality pre-kindergarten programs are more likely to stay in school and graduate from high school, which leads to greater lifetime earning power."

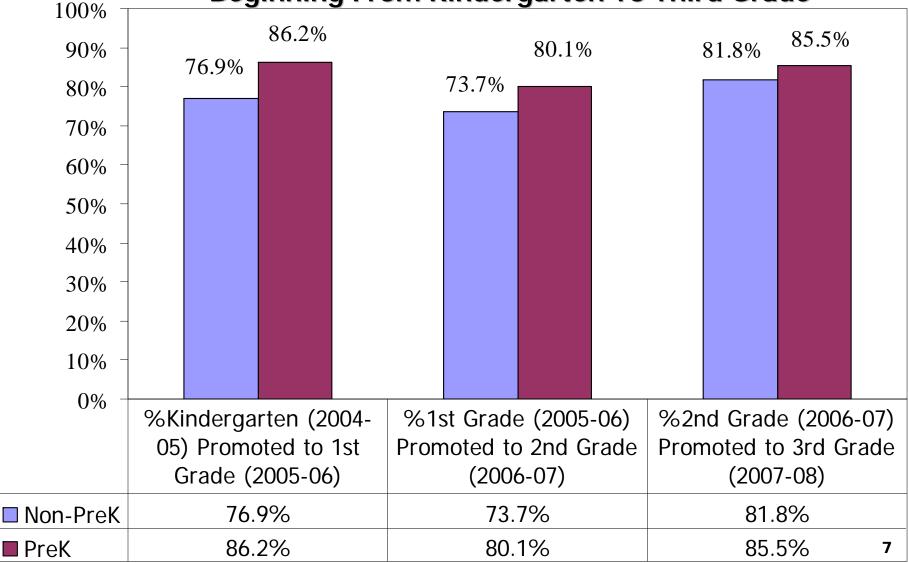
2006 study by Texas A & M University, Bush School of Government and Public Service

# Enrollment Trends of HISD PreK Students, 2004-05 through 2007-08



The spike in enrollment at 2005-06 can be attributed to the increase of students enrolling from Louisiana and the Gulf Coast areas after Hurricanes Katrina and Rita.

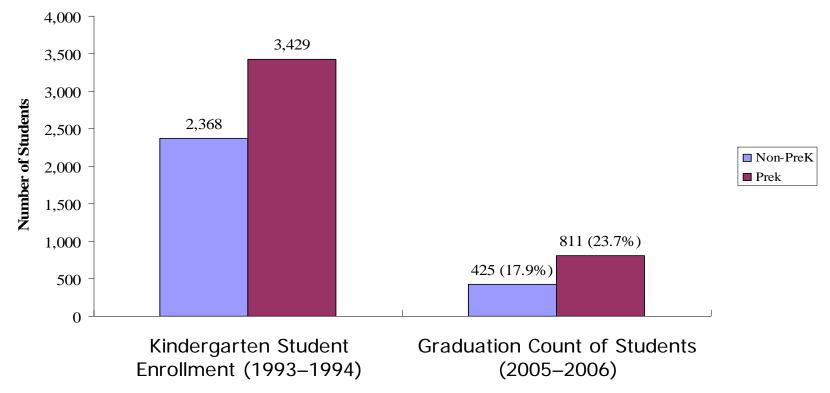
#### Promotion Rates of HISD Students Who Attended and Who Did Not Attend HISD PreK in 2003-04, Beginning From Kindergarten To Third Grade



## **Promotion Rates**

- HISD PreK students had higher promotion rates annually from kindergarten to third grade than students not attending HISD PreK programs.
- The lowest promotion rate for both groups was from first to second grade, however students attending HISD Prek were promoted at a higher rate than non-PreK students.
- For second graders who were on grade-level in 2006-07, the gap in promotion rates to third grade for Prek and non-Prek students started to close, but still showed HISD PreK students with the advantage. 8

#### Graduation Rates of Students who Attended and who Did Not Attend HISD Prek in 1992-93, Beginning with 1993-94 Kindergarten Enrollment



#### 2007 TEJAS-LEE BY REGION

Table 4. The 2007 TEJAS-LEE Results of Kindergarten Students WhoDid and Did Not Attend HISD 2005-2006 Prekindergarten Programs

	2007 Kinde Students Did At Prek 200	s who tend	Studer Did No	dergarten its Who t Attend 005-06
Region	% D	% NI	% D	% NI
North	99.5	0.3	98.2	1.8
West	99.4	0.2	97.5	2.2
Central	98.2	1.3	95.6	4.4
East	99.4	0.4	95.9	3.6
South	99.7	0.1	96.5	3.5
Alt.	-	-	-	-
HISD	99.3	0.4	97.0	2.8

Note: D = "Developed"; NE = "Expected Level"; NI = "Below Expected Level"

## Tejas LEE

- The Tejas LEE is a reading readiness assessment administered to students who receive their primary instruction in Spanish.
- Nearly all of the HISD PreK students from 2005– 2006 scored at the Developed level on the Tejas LEE instrument, exceeding the rates for similar students who did not attend HISD PreK at the district level and in all regions.

#### **2007 TPRI RESULTS BY REGION**

Table 3. The 2007 TPRI Results of Kindergarten Students Who Did and WhoDid Not Attend HISD 2005–2006 Prekindergarten Programs

	2007 Kindergarten Students Who Attended Prek 2005-06		Studer Did No	dergarten its Who t Attend 2005-06
Region	% D	%SD	% D	% SD
North	91.0	9.0	82.9	17.1
West	89.6	10.4	92.7	7.3
Central	88.8	11.2	93.7	6.3
East	92.9	7.1	85.5	14.5
South	93.9	6.1	87.3	12.7
Alt.	92.5	7.5	86.0	14.0
HISD	91.3	8.7	90.3	9.7

Note: D = "Developed"; SD = "Still Developing"

## TPRI

- The TPRI is a reading readiness assessment administered to students who receive their primary instruction in English.
- HISD PreK students scored higher on the TPRI at the district level and in the Alternative, North, East, and South regions than students who did not attend HISD PreK programs.
- Students who did not attend HISD PreK programs in the West and Central regions outscored the students who attended HISD PreK programs, many of these non-PreK students had the opportunity to attend quality PreK programs outside the district.

#### **APRENDA READING AND MATH NCE AVERAGE SCORES**

Table 2. Kindergarten Aprenda Performance of Students Who Did AttendPrekand Who Did Not Attend HISD PreK 2004-05, 2005-06, and 2006-07

	<u>2005-2</u> Kinderg		<u>2006-2</u> Kinderg		<u>2007-2</u> Kinderga	
	Reading	Math	Reading	Math	Reading	Math
	NCE	NCE	NCE	NCE	NCE	NCE
ECC/SBP	56	62	58	64	63	70
Non-PreK	47	53	53	59	54	60
HISD	54	60	57	63	61	68

Note: ECC = Early Childhood Center, SBP = School-Based Early Childhood Programs, R = Reading, M = Math, NCE = Normal Curve Equivalents

## Aprenda

- The Aprenda is administered to students who receive their primary instruction in Spanish. All students tested on the Aprenda are eligible for HISD PreK services.
- For three consecutive years, the HISD PreK students outperformed students who were eligible for HISD PreK services but did not attend, and the district as a whole, on the Kindergarten Aprenda assessment in both reading and math.

#### **STANFORD READING AND MATH NCE AVERAGE SCORES**

Table 1. Kindergarten Stanford Performance of Students Who Did Attend Prek and Who Did Not Attend HISD PreK 2004-05, 2005-06, and 2006-07

	<u>2005-2</u> Kinderg		<u>2006-2</u> Kinderg		<u>2007-2</u> Kinderg	
	Reading	Math	Reading	Math	Reading	Math
	NCE	NCE	NCE	NCE	NCE	NCE
ECC/SBP	57	49	58	48	61	53
Non- PreK	57	49	58	50	61	53
HISD	57	49	58	49	61	53

Note: ECC = Early Childhood Center, SBP = School-Based Early Childhood Programs, R = Reading, M = Math, NCE = Normal Curve Equivalents

## Stanford

- The Stanford assessment is administered to students who receive their primary instruction in English. Many of these students would not be eligible for HISD PreK services.
- For three consecutive years, HISD PreK students performed as well as non-PreK students and the district as a whole on both the Stanford reading and math tests, with the one exception of the math test for the 2006–2007 kindergarten students.

This is evidence that the HISD PreK program is leveling the playing field for economically disadvantaged and/or higher risk students compared to those who were not eligible or chose not to participate in HISD PreK programs.

## HISD Prekindergarten Programs

- School Based Prekindergarten
- Early Childhood Centers
- Partnerships
- Montessori
- Tuition Based (non ADA)

on Number of Classroom 4 3 3 4 4 4
3 3 4
3 4
4
· · · · ·
4
S ASSOCIATION/ RT
on Number of Classroon
2
2
4
3
3
8
2
3
3
2
ON/ PROJECT HEAD START
2
2
4
6
2
ject HEAD START
on Number of Classroom
5
1
4
3
2
2
7
6
1
2
2
4

#### HISD/Head Start Partnerships

## Montessori Prekindergarten Programs

- Central
- Central
- Central
- Central

Garden Oaks ES Whidby ES Dodson ES Wilson ES

#### **HISD/Child Care Partnerships**

HISD School	Partnering	
	School	
Berry ES	AVANCE Jensen Drive	
2310 Berry	2702 Aldine Westfield	
Houston, TX 77093	Houston, TX 77093	
Concord ECC@ Kashmere Gardens ES	Community Partners	
4901 Lockwood	4901 Lockwood	
Houston. TX 77026	Houston, TX 77026	
Brookline ES	GCCSA Reveille Head Start	
6301 South Loop E	3716 Reveille	
Houston, TX 77087	Houston, TX 77087	
Laurenzo ECC	SEARCH's House of Tiny Treasures	
205 N. Delmar	1529 Lombardy	
Houston, TX 77011	Houston, TX 77023	
Pugh ES	Pugh Head Start	
1147 Kress	1042 Henke	
Houston, TX 77020	Houston, TX 77020	

TEA	A PK Expansion	Grant
Region	Schools Number of classrooms	Number of students
ALT	4	88
Central	30	660
East	29	638
North	44	968
South	14	308
West	25	550

## Tuition Based Prekindergarten Programs

Regions	School Name	Tuition
negions	Concorreance	randon
Central	Harvard ES	21
Central	HelmsES	7
Central	Travis Es	25
Control	10/h + F C	1
Central	Wharton ES	1
Central	Mac Gregor ES	2
Central	Stevenson ES	1
East	Cage ES	1
West	BrianneadowES	9
West	Bush ES	15
West	Daily ES	3
West	Kolter ES	13
West	Parker ES	6
West	Red ES	4
West	Walnut Bend ES	4
Total		112

## Early Investments Yields Solid Returns. . .

# HISD PK is closing the achievement gap.

Through Curriculum, Instruction and Assessment

#### **CLEAR Curriculum**

Prekindergarten	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	ELA.K(3.96) Practice different limits of questions and tasks, including single response and test-like multiple choice comprehension questions.	ELA.(13.%) Practice different kinds of questions and tasks, including single response and test-like multiple choice comprehension questions.	ELAN3.3K) Practice different linds of questions and tasks, including test-like multiple choice and short answer comprehension questions.	ELA.1.9K Practice different kinds of questions entitasits, including test-like multiple choice and short answer comprehension questions.	ELA.LINK Antword different types and levels of questions tuch as open-ended, iterai, and interpretative as well as test-like questions such as multiple choice, true-table, and short antown	ELAS.NH Answer different types and len of questions such as open- ended, literal, and interpretail as well as test-like questione such as multiple choice, true- table, and short answer.
= ELAPS(4.987)	= ELAX(LIW)	# ELA.1(4.10F)	# ELA.3(4.10F)	# BLAJ(4.90F)	# BALIW	# ILAS.100
Begin to identify the main idea of a story, (what the story is mostly about).	Identify the main idea (what the fext is mostly about) and the most important supporting details of texts readialoud.	Mendity the main lates (what the fact is mostly about) and the most important supporting details of texts.	Mentify a text's main (or major) ideas and explain how those ideas are supported with details.	identify a faults main (or major) ideas and explain how those ideas are supported with defails	Determine and identity stated or paraphrased main ideas and explain how those ideas are supported with details in a test.	Determine and identify stated paraphraced main ideas and explain how those stass are supported with details in a tex-
Reading literary response, Ti	he student responds to varios					A STATE OF A DESCRIPTION OF A DESCRIPTIO
ELAPKIC Frequently request the re- reading of books.	ELAX.16A Listen to a variety of genres being read aloud.	ELA.1.13A Listen to a variety of genres being read aloud.	ELA.2(1.13A) Listen to a variety of genres being read aloud.	ELA.3(1.13A) Listen to a variety of genres being read sloud.	ELA.4(1.13A) Listen to a variety of genres being read sloud	ELA.5(1.13A) Listen to variety of genres bei read aloud.
ELAPK.53 Show appreciation of repetitive language patterne by joining in when predictable and patterned selections are read aloud.	ELAX.108 Participate actively (react, speculate, join in, read along) when predictable and patterned selections are read aloud	ELA.(138 Participate actively (react, speculate, join in, read along) when predictable and patterned selections are read aloud.	ELA2.14A Respond to namative tests and poetry in ways that reflect understanding and interpretation through discussion (speculating, questioning) in writing, and through inovenent, music, art, and drame.	ELC3.18A Respond to namelive texts and poetry in www.that reflect understanding and interpretation through decision (speculating, questioning) in writing, and through movement, music, art, and drame.	ELACINA Respond to namelive texts and poetry by oftering observations, making connection, reacting, speculating, interpreting, and questioning.	ELAS.VIA Respond to namelive texts are poetry by othering observation realing connectors, reacting, specularing, interpreting, and questioning.
ELAPK.1F(2)	ELAX.10C	ELA.1.10C	ELA.2.140	ELA.3.100	ELA.4.11D	ELA,5,110
Respond to books.htories through gestures (sole play), actions (writing) and/or language (summarizing).	Respond through talk, novement, music, art, drama, and writing to a variety of stories and poems in ways that reflect understanding and interpretation.	Respond through tail, movement, inusic, art, drama, and poems in ways that reflect understanding and interpretation.	Demonstrate understanding of informational text in various ways such as through writing, illustrating, developing demonstrations, and using available technology.	Demonstrate understanding of informational text in various ways such as through writing, Bustrating, developing demonstrations, and uping available technology.	Interpret, compare and represent biot ideas through a variety of response options such as journal writing, decusion, enactment, timelines, outlines, media groductions.	Interpret, compare and repret text ideas through a variety of response options such as jour writing, discussion, enactment timelines, outlines, media productions.
		ELA.1.130	* ELA.2.100	# ELA.3.100	= ELA.4.110	# ILAS110
		Connect ideas and themes across texts.	Connect ideas and themes acrossitents	Connect, compare and contrast kleas and thenes across informational and namative tests.	Convect, compare, and contrast ideas, theres, and issues (problem, solution, morals, and lessons) scriss informational and namative texts.	Convect, compare, and contri- ideas, themes, and itorums (problem, polytics, and lessons) across tithermational and namative tests
ELAPSLED Explain the pictures carry meaning but carried to read.	ELAJCHAD Describe how Australians contribute to the text.	HA11H Describe how Buthelions contribute to the best	<ul> <li>ELA2.14C Support interpretations σ conclusions with examples drawn from tool.</li> </ul>	<ul> <li>ELA3.16C Locate and die relevant limit evidence to support an interpretation or conclusion about characters or events with examples drawn train text and histogr. generation.</li> </ul>	ELALATIC Locate and cite relevant test evidence to support an elementation or conclusion about characters, events, or bautions with eourpoint dream from test and halfs, page experiences.	ELAS.HC Locate and clininework test evidence to support an Memprithen or conclusion should characters, events, or situations with examples clise from test and heating, and experiments

#### Vertical Alignment Matrix (VAM)

HISD Objective The student will	TEA Prekindergarten Curriculum Guidelines The student is expected to	Assessment Correlations
Strand 1: Listening and Speaking (Purpos	es - The student listens attentively and engages actively in a variety o	of oral language experiences.)
ELAPK.1B Listen for different purposes (e.g., to learn what happened in a story, to receive instructions, to converse with an adult or a peer).	(18) Listen for different purposes (e.g., to learn what happened in a story, to receive instructions, to converse with an adult or a peer).	
ELAPK.1C Follow simple oral directions of one/two elements.	(1C) Understand and follows simple oral directions.	
ELAPK.1E Listen to and engage in, rhymes, songs, several exchanges of conversations and discussions.	(1E) Listen to and engages in several exchanges of conversations with others.	
ELAPK.1A Listen with increasing attention, (maintain focused attention) and ask simple, relevant questions.	(1A) Listen with increasing attention.	
D ELAPK.1F(1) Listen to tapes and CDs and respond through gestures (finger plays), actions (role play) and/or language (retell or sing).	(1F) Listen to tapes and records, and shows understanding through gestures, actions, and/or language.	
ELA.PK.2A Identify the musical elements and, differences between similar sounding words such as rhymes or repeated sounds (e.g., "coat" and "goat," "three" and "tree," (Spansh) "uego". and "tuego".	(28) Perceives differences between similar sounding words (e.g., "cost" and "gost," "Innee" and "free," [Spanish] "Juego" and "fuego").	
Strand 1: Listening and Speaking (Cultur the common elements of cultures.)	e - The student listens and speaks to gain knowledge of his her own	culture, the culture of others, and
C ELAPK.3E Link new learning experience and vocabulary to what is already known about a topic with those of others through speaking and listening.	OE Link new learning experiences and vocabulary to what is already known about a topic.	
ELAPK(K.28) Begin to compare language and oral traditions (family stories) that reflect customs and cultures through dematizations.	(K.2B) Compare language and oral traditions (family stories) that reflect customs, regions, <u>cultures</u> ).	

English Language Arts Prekindergarten

#### exmind Focus 1.1 - Welcome to School Establish classroom procedures and routines that will provide the foundation of all positive social interactions that promote student learning Key Concepts ey Concepts Istering and Speaking Oral directions Express needs and interests Increase listening and speaking vocabulary Reading Directionality Concepts about print Environmental print Rhyming Parts of a book Writing Writing is used to communicate Assessment Time Allocation HISD Objectives Instructional Considerations Instructional Strategies Resources All objectives found in the PK HAPG's for The first fewweeks of school most instruction For Work Station Information: For examples of Important Information for Pre-kindergarten work stations will be with large groups, lasting no more than 10-12 minutes at a time. hematic units o The Beginning d There should be music and/or movement during each transition. School, For Marzano strategies in ECH: Marzano strategies for the Early Childhood classroome http://www.pre inders.com/sci columit.htm for Learning focus 1.1 should be taught in a integrated format across the content areas for Refer to the suggested PK daily schedule for In the beginning of the year, you will spend a lot of time taking about rules and practicing rules. Your testons and activities should be centered around iseming the rules and procedures of the classcoom, but the chifdren will having than at the same time. Chifdren learn how's to oparace the classcoom, putting things back where they go. Everything in your classcoom hould have a place, and classys in stolad have a place. http://www.the eachersroom.c onvibacktosche Instructional times: Prekindergaten Daily Schedule All instructional strategies, considerations and resources found in the PK Horizortal Alignment Planning Guide are aligned to the CLEAR objectives as a support for student learning. http://www.pro-kpages.com/sc hootheme.htm approximat ely 17 days ( 8/25 to 9/17) http://comseve gue.k12.ny.us All objectives listed in the HISD Objectives column that have an \* will appear on the Progression of Skills Report. -rstewart/k20 1/Themes/sch of/school.htm classroom should nave a pake, and it stays in the same place all year, so that children can find things and put them away more easily. During this unit, children explore with almost all of the main materials in your classroom while learning rules for using them. The Data Collection Book (grade book) will have an asterisk " after the HISD objectives that will ttp://coms appear on the Progression of Skills Report (report card). k12 rv ust-rster tik2001/Thereet ame sin ame s.htm Colors k12 ny us/-rstev Background Knowledge for Teacher Quality Prekindergarten classrooms include experiences for literacy development as they expose children to print conventions and book tors/colors.ht The duplet should be that focused opportunities to handle books. Know that books provide information Provide a latency citch environment in the classroom that emphasizes books as the parmary focus During crail reading activities, use energy and table of crocks of the book and explain what kind of information can be found in each the The student should SLA.PK.9C Recognize that books and other print resources (e.g., magazines, ECH PK T5 94.95 Language and Literacy Item# 2 99, T9. 148-149 print resources (e.g., magazines, computer-based tents) have different parts such as front, back, top, bottom, and spine, and are handfield in specific ways (hold the book right-side up, turn the pages carefully from right to left, etc.) Books in the classroom iterary Class big books Pointers andling. This means that children learn that here is a front, back, top and bottom to books. Most emergent readers learn key print concepts incidentally, as they explore and enjoy books at ome and school. For those students who home and school. For those students who haven't mastered those concepts, it is important to explicitly teach them. There is no particular

#### Horizontal Alignment Planning Guide

#### TEKS/TAKS Correlation

#### Instruction Marzano/Literacy Leads the Way in the PK Classroom

INSTRUCTIONAL	CURRENT PRACTICE	RESEARCH GENERALIZATIONS	
STRATEGY		RESEARCH GENERALIZATIONS	RECOMMENDATIONS FOR CLASSROOM. PRACTICE PK-2
Cues & Questions	children Mini purple cat green frog white dog gold fish blue horse	<ol> <li>Cues and questions should focus on what is <i>important</i> as opposed to what is unusual.</li> <li>"Higher level" questions produce deeper learning than "lower level" questions.</li> <li>"Waiting" briefly before accepting responses from students has the effect of <i>increasing the depth</i> of students' answers.</li> <li>Questions are effective learning tools even when asked before a learning experience.</li> </ol>	<ol> <li>Place the picture after the written word to give students a cue as to the sounds of the letters.</li> <li>Make predictions during read alouds.</li> <li>Use words from the word wall as a resource for alphabet awareness, writing and spelling.</li> <li>Use the posted Daily Schedule during instructional day to help students determine routines and procedures of the classroom.</li> <li>Use the students' names and pictures posted throughout the room as a source of letter recognition.</li> <li>Post the Daily News and/or Morning Message for students to use as a resource for vocabulary development, prereading skills and writing practice.</li> </ol>
Advance Organizers	How	<ol> <li>Advance organizers focus on what is important as opposed to what is unusual.</li> <li>"Higher level" advance organizers produce deeper learning than "lower level" questions.</li> <li>Advance organizers are most useful with information that is not well organized.</li> <li>Different types of organizers produce different types of results.</li> </ol>	<ol> <li>Use the classroom calendar to organize data regarding the days of the week and months of the year.</li> <li>Use a story map to recall important events, characters, etc.</li> <li>Use a venn diagram to compare and contrast.</li> <li>Use a KWL chart to establish prior knowledge and a purpose for listening.</li> </ol>
Non - linguistic Represen- tations		<ol> <li>A variety of activities produce nonlinguistic representations.</li> <li>Nonlinguistic representations elaborate on knowledge.</li> </ol>	<ol> <li>Dramatic Play work station can become a library, a school room, a vet clinic, an eye doctors office, a restaurant, a post office, etc.</li> <li>Graphing – question of the day, data from the calendar such as weather.</li> <li>Music and movement activities.</li> <li>Display thematic artifacts as well as student made products.</li> </ol>

## **HISD PK Assessment Kit**



### School Averages - Spanish

Assessments 274 Bilingual Students	Beginning of Year Ave.	Middle of Year Ave.	End of Year Ave.
Letter ID – 61 Possible [1]	4	30	45
Book and Print Awareness – 13 Possible	3	10	13
Write Name – 5 Possible	2	4	5
Writing Vocabulary	-	1	4
Clapping Syllables – 5 Possible	-	3	5
Beginning Sounds – 5 Possible	-	2	4

<sup>[1]</sup> Bilingual Letter ID (61) – 92% of students EOY score knew more than 14 letters. 59% knew more than 45 letters. 38% knew more than 56 letters.

### School Averages - English

Assessments 120 Regular (English) Students	Beginning of Year Ave.	Middle of Year Ave.	End of Year Ave.
Letter ID – 54 Possible [1]	12	32	41
Book and Print Awareness – 13 Possible	4	9	11
Write Name – 5 Possible	2	3	4
Writing Vocabulary	-	1	3
Identifies Rhymes – 5 Possible	-	4	5
Produces Rhymes – 3 Possible	-	2	2
Clapping Syllables – 5 Possible	-	3	4
Beginning Sounds – 5 Possible	-	2	4

<sup>[1]</sup> English Letter ID (54) – 97% of students EOY score knew more than 12 letters. 65% knew more than 40 letters. 35% knew more than 50 letters.

### Assessment Kit Outcomes are used for:

Data driven instruction

- Compensatory Education additional at-risk indicators coded in Chancery
  - □2007-2008 an additional 3844 PK students identified as at-risk
  - District received additional \$203,000 Comp. Ed. Funds that were allocated to campus budgets

## **Future Plans**

- Development of district Early Childhood Standards
- Farias/Durkee Project
- Tuition Based Marketing
- Hand Held Assessment
- "Primetime ECH" Instructional Media
- Correlate PK CLEAR to the new state PK Guidelines (all content areas)
- Legislation

## Legislation Recommendations

81st Session of the Texas Legislature

- Partner with organizations to establish foundation formula funding for a full-day prekindergarten program for all eligible students.
- Appropriations Request of the 110th Congress, Second Session
  - Asked for \$2 m for the College-Bound Beginning, Birth Initiative being piloted in the Sunnyside community.