

# June Shelton School & Evaluation Center

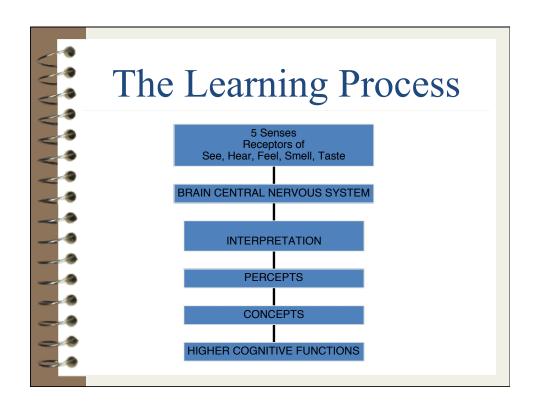
- ✓ Founded April 2, 1976
- ✓ Students with learning differences preschool through grade twelve
- ✓ Comprehensive curriculum with strong academic orientation
- ✓ Supportive environment, stressing multisensory learning techniques
- ✓ Accredited by Independent Schools Association of the Southwest (ISAS)
- ✓ Member of Southern Association of Independent Schools (SAIS)

# We define a language-learning different child as:

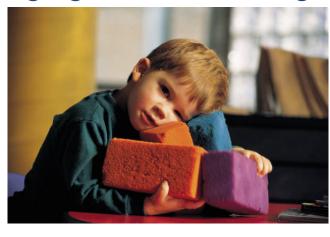
- ✓ Average or above average intelligence
- ✓ Adequate vision and hearing
- ✓ Without primary emotional disturbance

# We define a language-learning different child as:

- ✓ Failed or at high risk to fail when exposed to conventional educational techniques
- ✓ Differences are result of auditory and visual processing dysfunction, and include the specific language disorder, dyslexia, and related disorders



# Shelton's Language Intervention Program



# Language Intervention Program

- ✓ DuBard Association Method
- ✓ Montessori (EC to 4<sup>th</sup> grade)
- ✓ Occupational Therapy (EC to 4<sup>th</sup> grade)
- ✓ 6 Classes (68 students)
  - Early Childhood: 9
  - Pre-Primary: 13
  - Primary: 11
  - $-3^{rd}$  and  $4^{th}$  grade: 12
  - 5<sup>th</sup> grade: 11
     6<sup>th/7th</sup> grade: 12

# Description of Language Intervention Program

- ✓ Students presented with moderate to severe oral language disorders, and/or severe articulation disorders, and characteristics of children at risk for learning differences
- ✓ Unique mixture of Montessori and the DuBard Association Method
- ✓ Attempted to have a speech-language pathologist as one of the teachers in all classrooms

# Description of Language Intervention Program

### EC through Grade 4 Classrooms

- ✓One Montessori Teacher trained in DuBard Association Method
- ✓ One Speech Language-Therapist trained in DuBard Association Method
- ✓ Occupational Therapy / Sensory-Integration
- ✓ Early Childhood ~10 students
- ✓ Primary through 4<sup>th</sup> ~ 12 students

# Description of Language Intervention Program

### 5th and 6th Grade Classrooms

- ✓ Two teachers per classroom
- ✓ DuBard Association Method continues
- ✓ Approximately 12 students per classroom

# Language Intervention Program Inclusion Criteria

#### Early Childhood and Pre-primary

Specific characteristics considered were delays or disorders in

- **✓** Coordination
- ✓ Language (Oral and Written)
- **✓** Attention
- ✔ Perception

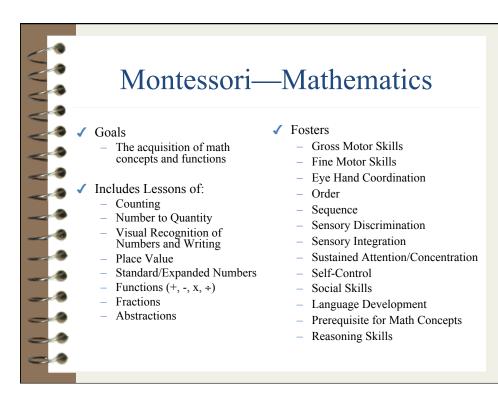
#### Montessori—Practical Life ✓ Fosters ✓ Goals Gross Motor Skills - Independence in Life Skills - Fine Motor Skills - Learning How to Learn **Eye Hand Coordination Enhanced Self-Concept** Order Sequence Includes Lessons of: Sustained Attention/ - Grace & Courtesy Concentration Care of Self & Environment Self-Control

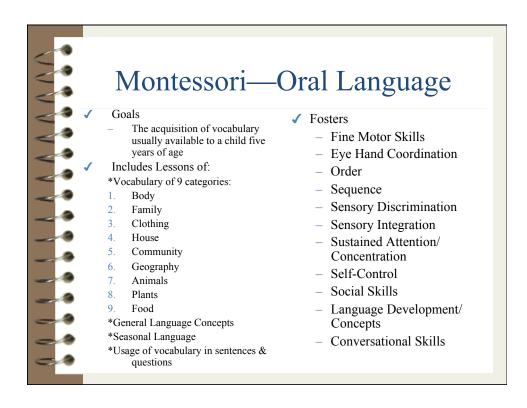
Social Skills

Language Development

**Motor Coordination** 

#### Montessori—Sensorial ✓ Fosters Goals Gross Motor Skills Categorization of the world through the 5 senses Fine Motor Skills Perception of sensory Eye Hand Coordination information from greatest Order contrast to finer & finer discrimination Sequence Language Development Sensory Discrimination Sensory Integration Includes Lessons of: Sustained Attention/Concentration Visual, Auditory, Tactile, Self-Control Olfactory & Gustatory Social Skills Identification & Discrimination Language Development Prerequisite for Math Concepts Reasoning Skills







#### Montessori—Written Language ✓ Goals Fosters The acquisition of pre-writing, Fine Motor Skills writing, pre-reading, & reading **Eye Hand Coordination** Order Includes Lessons of: Sequence Phonological Awareness Skills Sensory Discrimination Visual Recognition of Letters Sensory Integration Sound/Symbol Correspondence Sustained Attention/Concentration Blending Self-Control Decoding/Encoding Social Skills Syllabication Language Development/Concepts Vocabulary Conversational Skills Fluency Reading Skills Writing Vocabulary in Sentences Writing Skills and Questions Spelling Skills

Progress C	hecklist	for	Teacher
Sample			

Practical L	ife								
	Pouring	1	2	3	4	5	6	7	8
Sensorial									
	Pink Tower	1	2	3	4	5	6	7	8
Math									
	Spindle Box	1	2	3	4	5	6	7	8
Language									
	Sandpaper Letters	1	2	3	4	5	6	7	8

# Combining Montessori with the DuBard Association Method

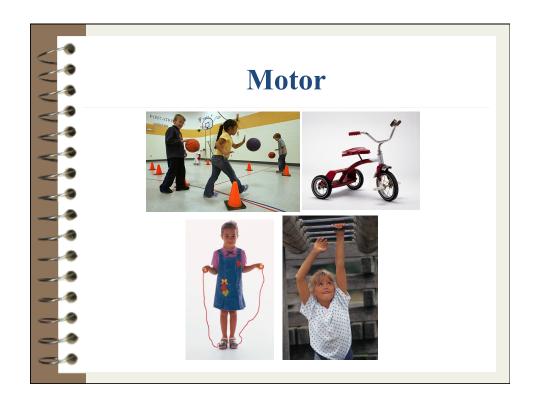
#### ✓ Goals:

- Give teachers/therapists opportunities to engage in diagnostic teaching
- Meet the unique needs of the students within one curriculum to increase successful learning experiences
  - Expose students to elements of the DuBard Association Method which would enhance the Montessori materials for this population

# Planning The Program

## **Montessori Applied to Children at Risk**

- + DuBard Association Method
- = Ideal Learning Environment



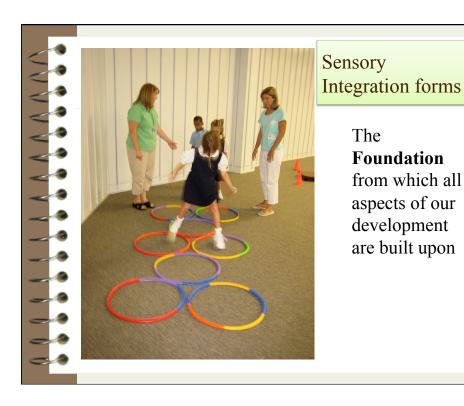
# The Occupational Therapist's Role in the LI program

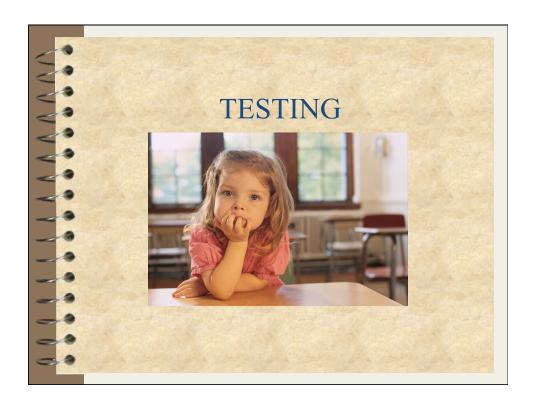
- To provide educationally based therapy services to the children in LI classrooms through the 4th grade (46 children)
- Each class has 1 therapist assigned to work in the classroom 2 days a week
- All therapists are from Integrative Pediatric Therapy
- All are experienced, licensed professionals specializing in Pediatrics & Sensory Integration.



# Sensory Integration involves

The interpretation and organization of sensory information through the central nervous system

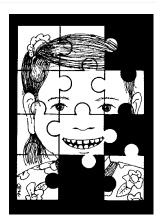


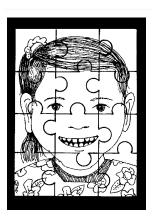


# Why Do We Test?

To gain a <u>profile</u> of an individual's strengths and weaknesses in:

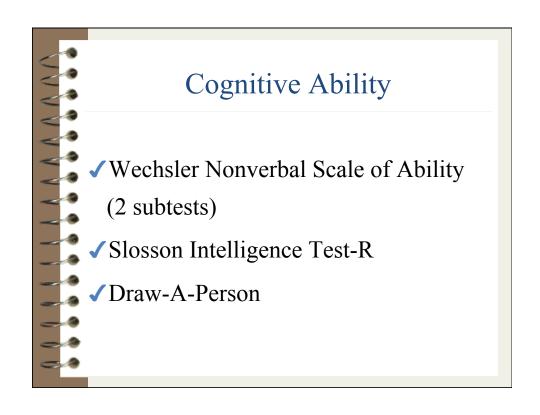
- -Mental ability
- -Perceptual ability
- -Academic skills
- -Attention/Behavior





With this profile, a specific prescription may be made for a student's academic program.

# Language Intervention Program Test Battery Cognitive Ability Perceptual Skills Language/Articulation Skills Academic Skills Memory/Attention Parent/Teacher Checklists Motor Skills



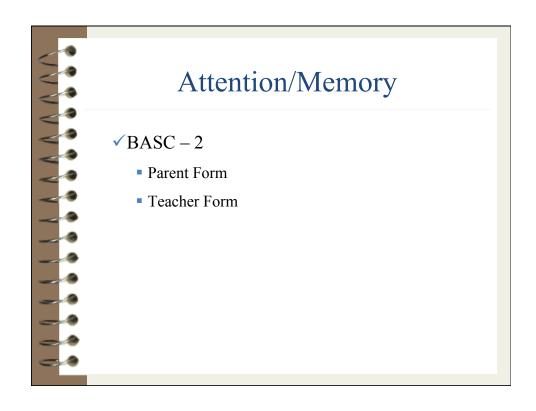
## Perceptual Skills

- ✓ Comprehensive Test of Phonological Processing
- ✓ Beery Test of Visual-Motor Integration

## Language/Articulation Skills

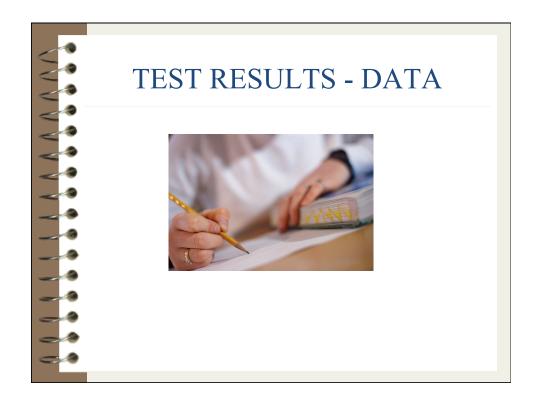
- ✓ Clinical Evaluation of Language Fundamentals 4
- ✓ Clinical Evaluation of Language Fundamentals PS-2
- ✓ Peabody Picture Vocabulary Test IV
- ✓ Expressive 1-Word Picture Vocabulary Test 4<sup>th</sup> Ed.
- ✓ Arizona Articulation Proficiency Scale 3<sup>rd</sup> Ed.
- ✓ Verbal Motor Production Assessment for Children

# Academic Skills Wide Range Achievement Test 4 Woodcock-Johnson III – Achievement Gray Oral Reading Test – 4 Gilmore Oral Reading Test Gates-MacGinitie Oral Subtests Test of Written Spelling Cursive alphabet Number writing Jones Spontaneous Writing Sample



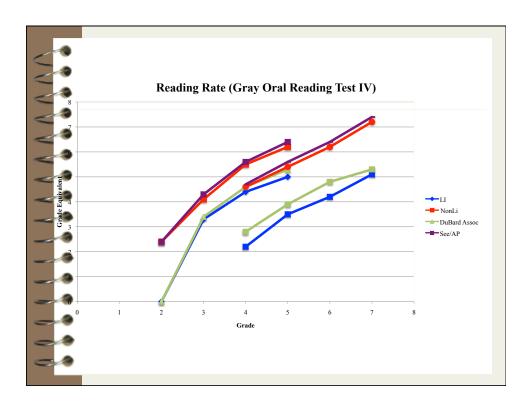
## **Motor Skills**

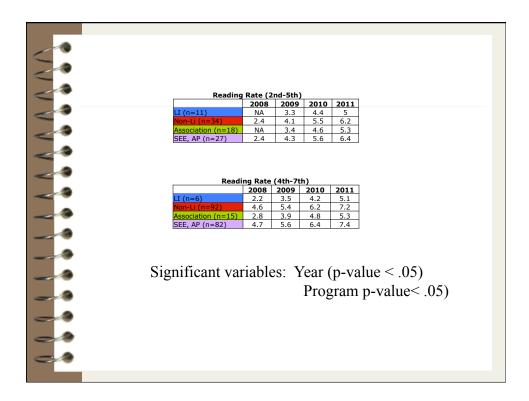
- ✓ Bruininks-Oseretsky Test of Motor Proficiency-2 (short)
- ✓ Miller Assessment for Preschoolers
- ✓ Beery Test of Visual-Motor Integration

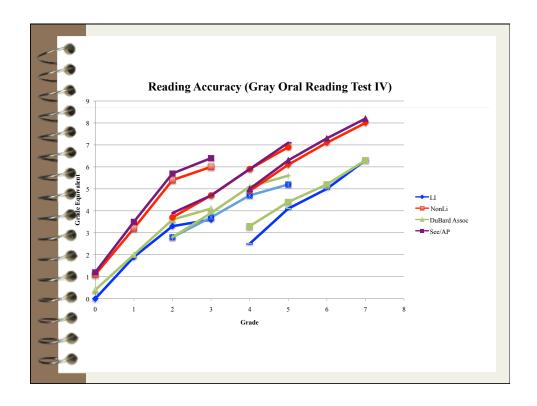


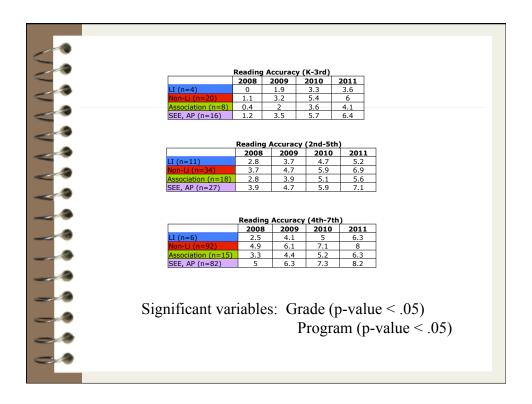
# LI vs Non-LI Comparison Study

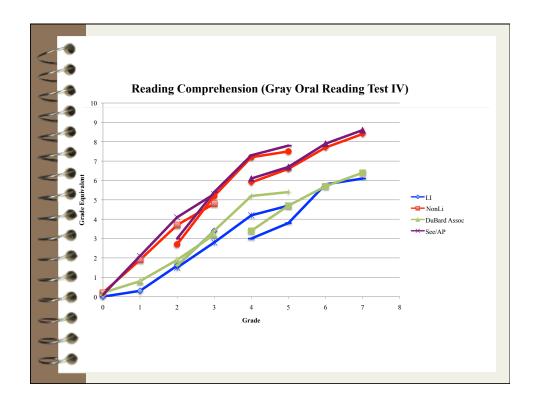
- ✓ Various progress scores were compared across 4 years
- ✓ Students in kindergarten through 4<sup>th</sup> grade in 2008 were studied longitudinally for 4 years, concluding in May, 2011
- ✓ Various programs included LI (Language Intervention), Non-LI, DuBard Association, and SEE/AP
- ✓ Progress scores increased steadily for all programs during the 4 year study

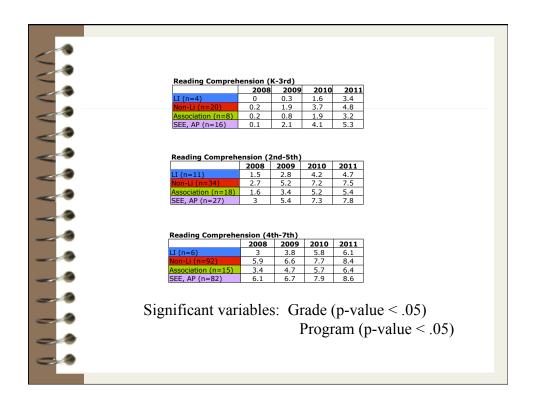


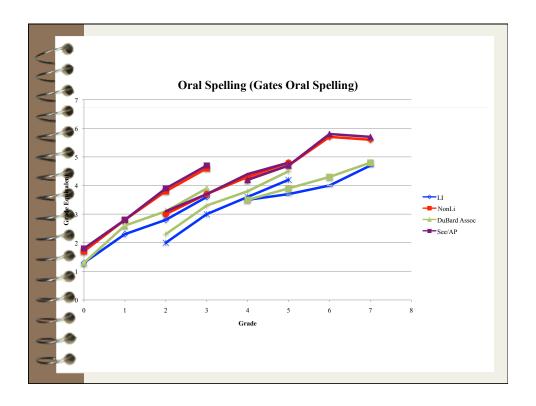


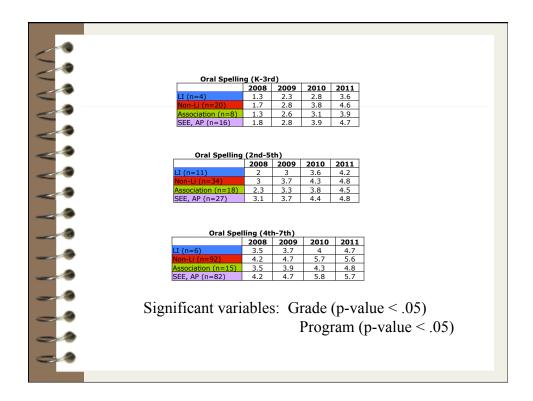


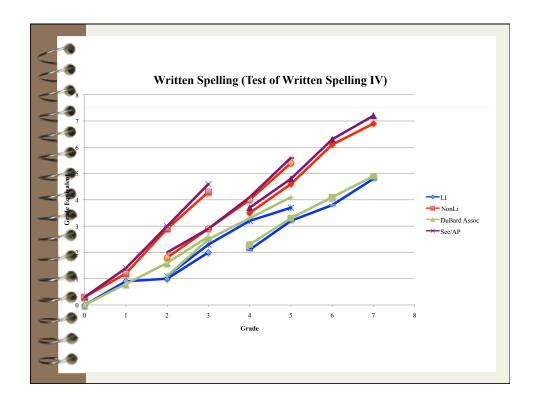


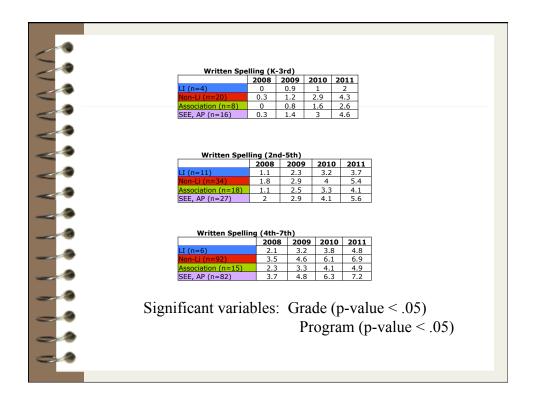


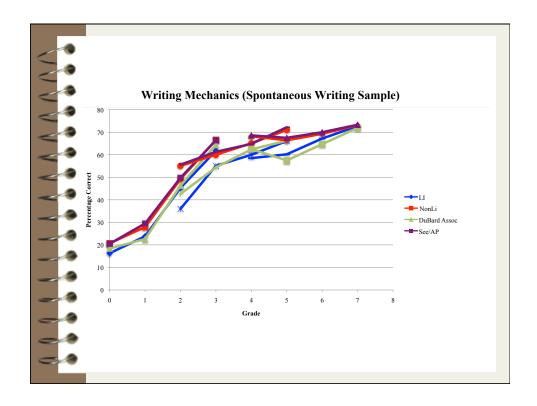


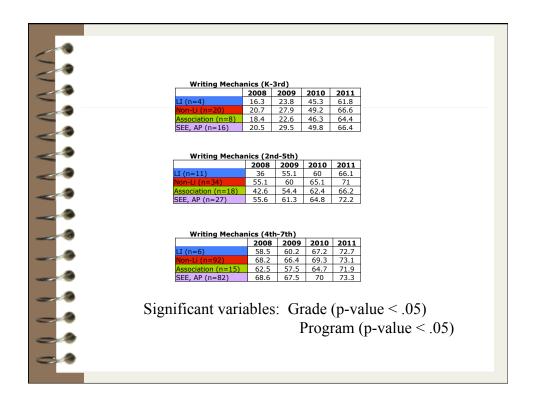


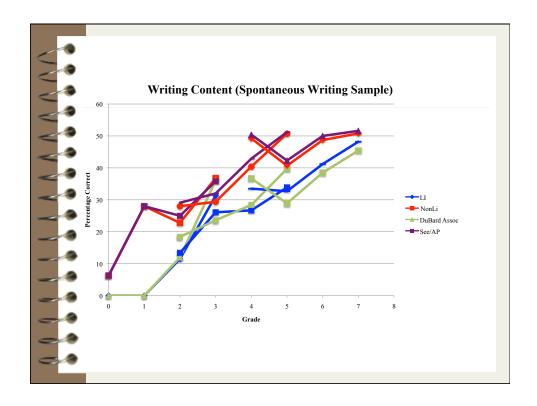


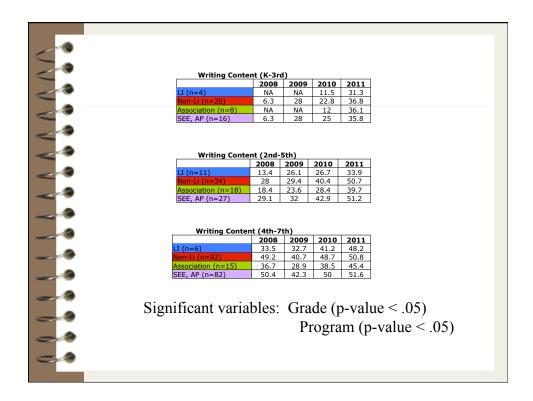


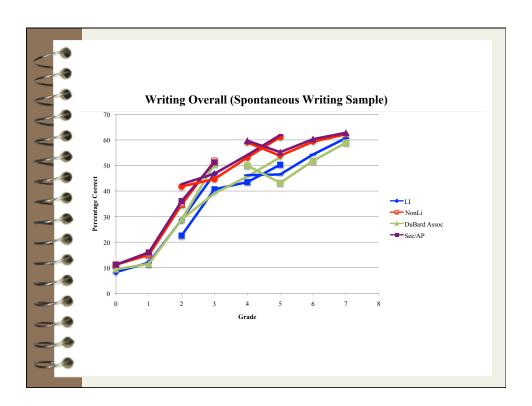


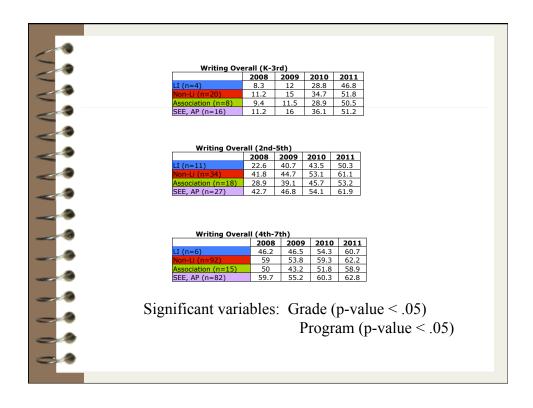












## **Future Directions**

- ✓ Compare LI program to other language programs
  - May help professionals better distinguish which program will be most beneficial to a student based on his or her strengths and weaknesses
- ✓ Use findings to improve educational programs for children with oral language deficits

