Digital Early Literacy: It's a Game Changer!

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Touro University California
Fall CUE
Napa, CA
October 24, 2015

Starting at the Beginning

- Digital Early Literacy
  - Why Early Literacy?
  - Why Digital?
  - What Evidence Exists?

2-Year Achievement Gap for Toddlers

- How many unique words does a child hear per hour?
- In a:

_____ Professional family

_____ Working family

_____ Public Assistance Family

2-Year Achievement Gap for Toddlers

- How many unique words does a child hear per hour?
- In a:

2,150 Professional family

1,250 Working family

600 Public Assistance Family

Basic Literacy Skills are Lacking

How many words do we use in everyday, common speech?

_____

Basic Literacy Skills are Lacking

How many words do we use in everyday, common speech?

_____ 5,000

Deficits

_____ percent of students don't know the alphabet when they enter kindergarten?

_____ percent don't know that print is read from left to right?

How many more words have children of professionals heard when they enter kindergarten than children of poverty? _____

Deficits

34% percent of students don't know the alphabet when they enter kindergarten.

18% percent don't know that print is read from left to right.

How many more words have children of professionals heard when they enter kindergarten than children of poverty? 30 million

Vocabulary Gap

Children who come from professional families hear twice as many unique words and twice as many encouraging words vs. discouraging words than children of poverty.

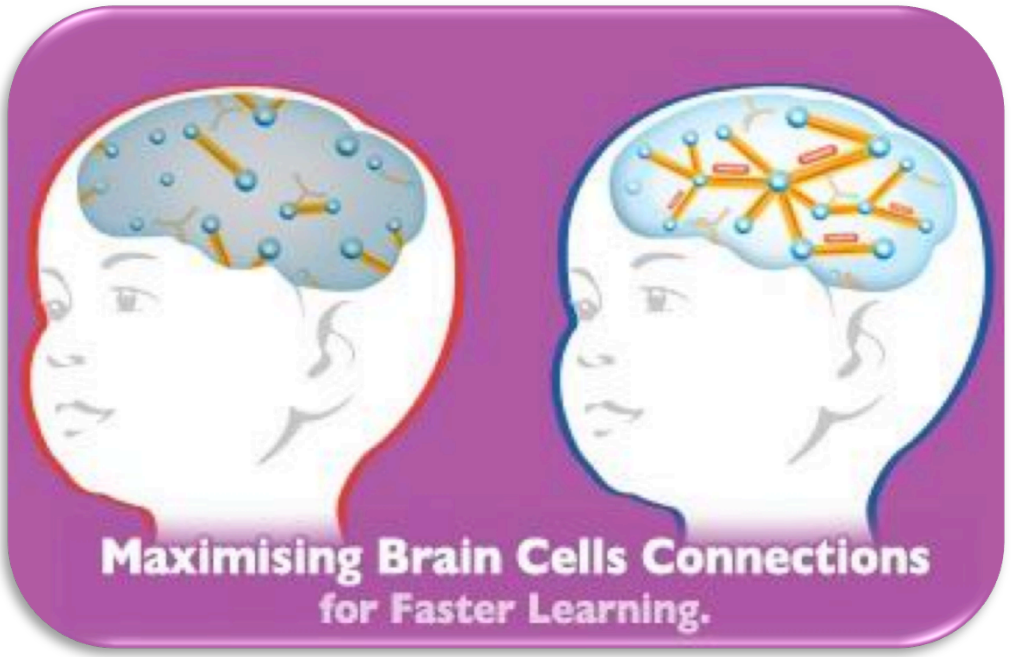
Encouraging: What did you think of that?

Discouraging: Don't touch that!

Vocabulary and Language Processing

The Human Brain

The brain is most active from ***birth to kindergarten***, building trillions of connections.



Books at Home

Specialized Digital Early Literacy Programs

NCOE Provides FREE Early Digital Literacy App to Preschoolers

In partnership with NapaLearns, NCOE is providing Footsteps to Brilliance to all preschool children in the county

Napa County Office of Education

Footsteps is a series of digital books, nursery rhymes, and games that can be downloaded on digital devices

Napa Learns
partnering for innovation and success

Programs

- ALPS (Academic Language Program for Students)
  - fiction
- Alphabet Animals
  - non-fiction
- Karaoke Nursery Rhymes
- Games
- Mega Mouth 1 & 2
- Aesop's Fables

  Reports

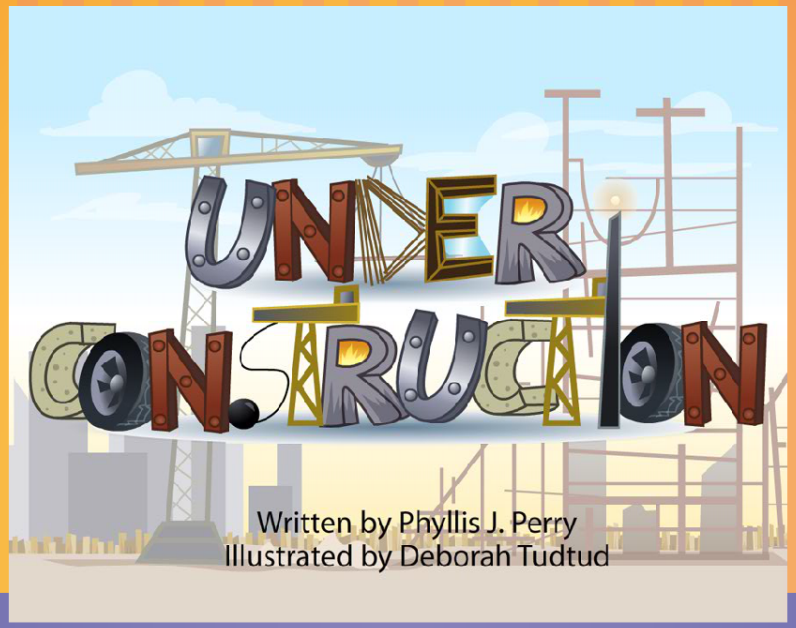
**All books are in English and Spanish*

Mega Mouth Decoders

Mega Mouth Decoders Songbook

MY LIBRARY

BOOK HOME



Written by Phyllis J. Perry
Illustrated by Deborah Tudtud

ENG
ESP

Read Book

Book Buddies

Games

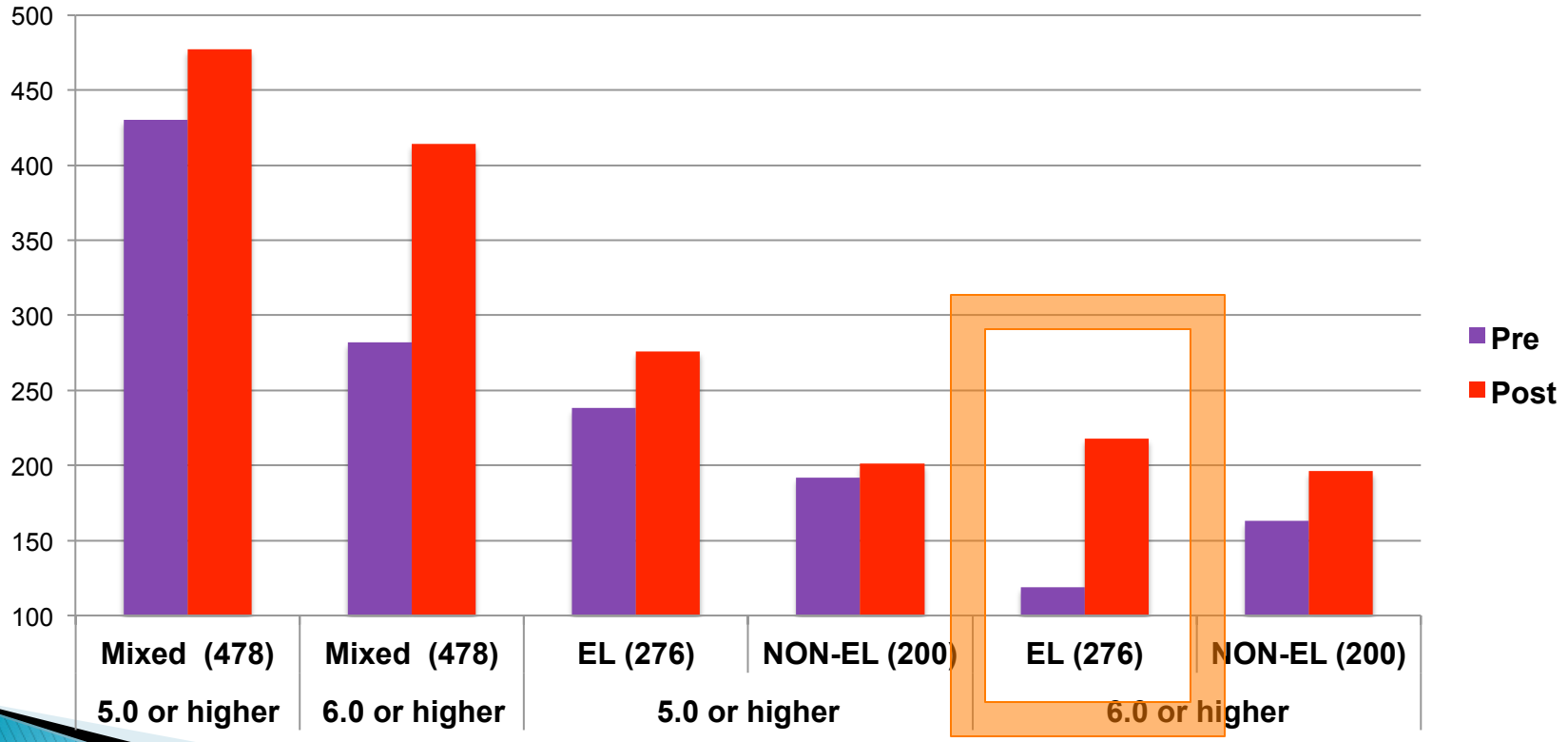
Create A Book

Source: http://youtube.com/v/76R8mHgHaBU

Amazing Results

Increase Receptive Language: PPVT Pre-Post

- 79% of EL Students at age 6.0+
- 98% of Non-EL students @ age 6.0 or higher



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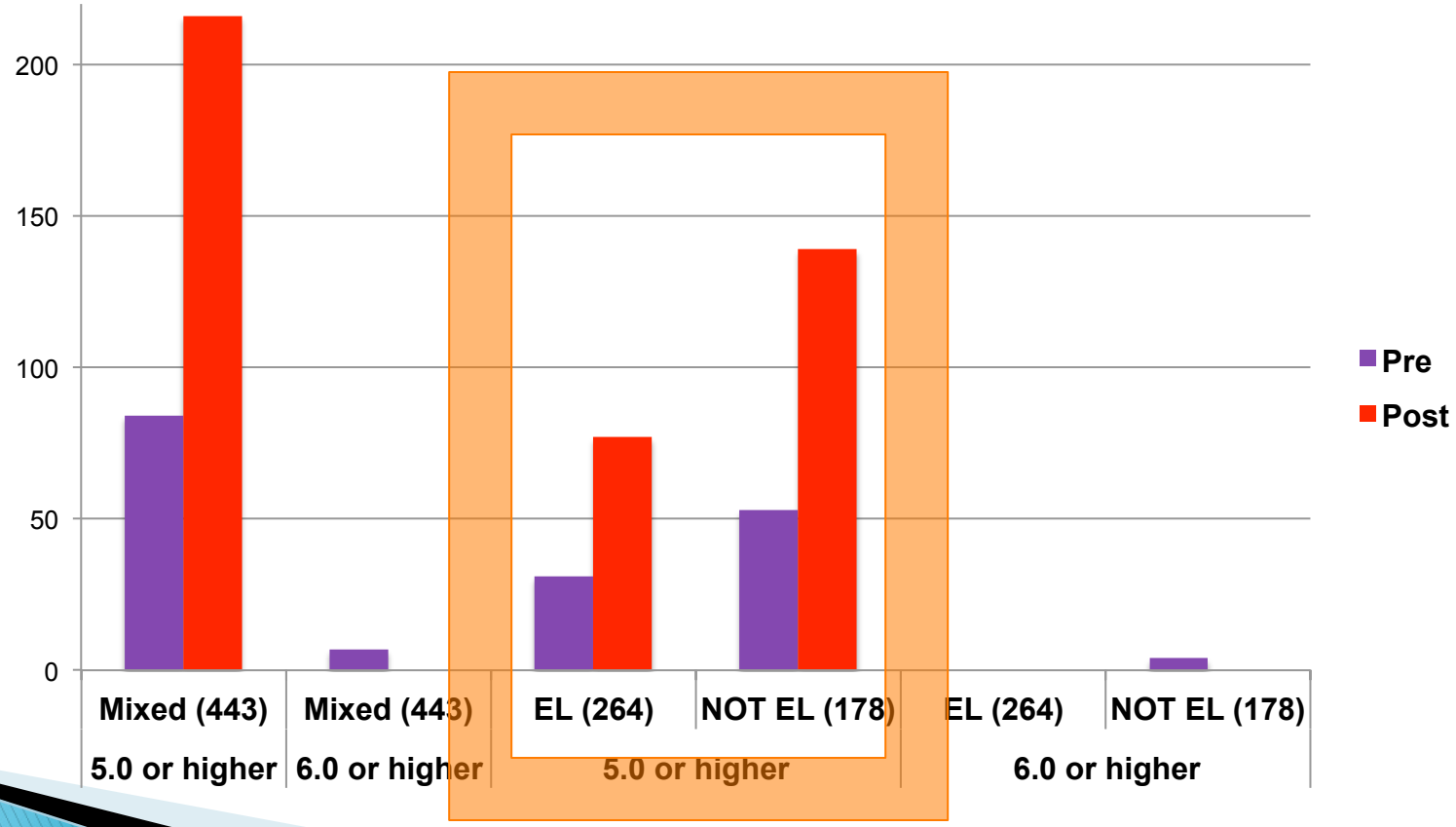
Increase Expressive Language: EVT Pre-Post

- *Post: 78% of Non-EL at 5.0+ level; 29% of EL; 0% of any at 6.0 Level*
- *Both EL and Non-EL students' proficiency grew by 250%*



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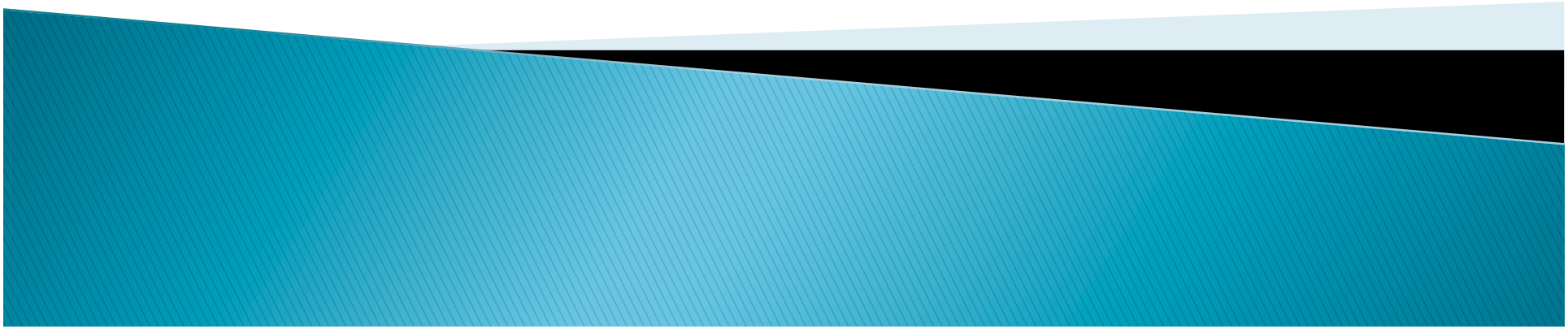
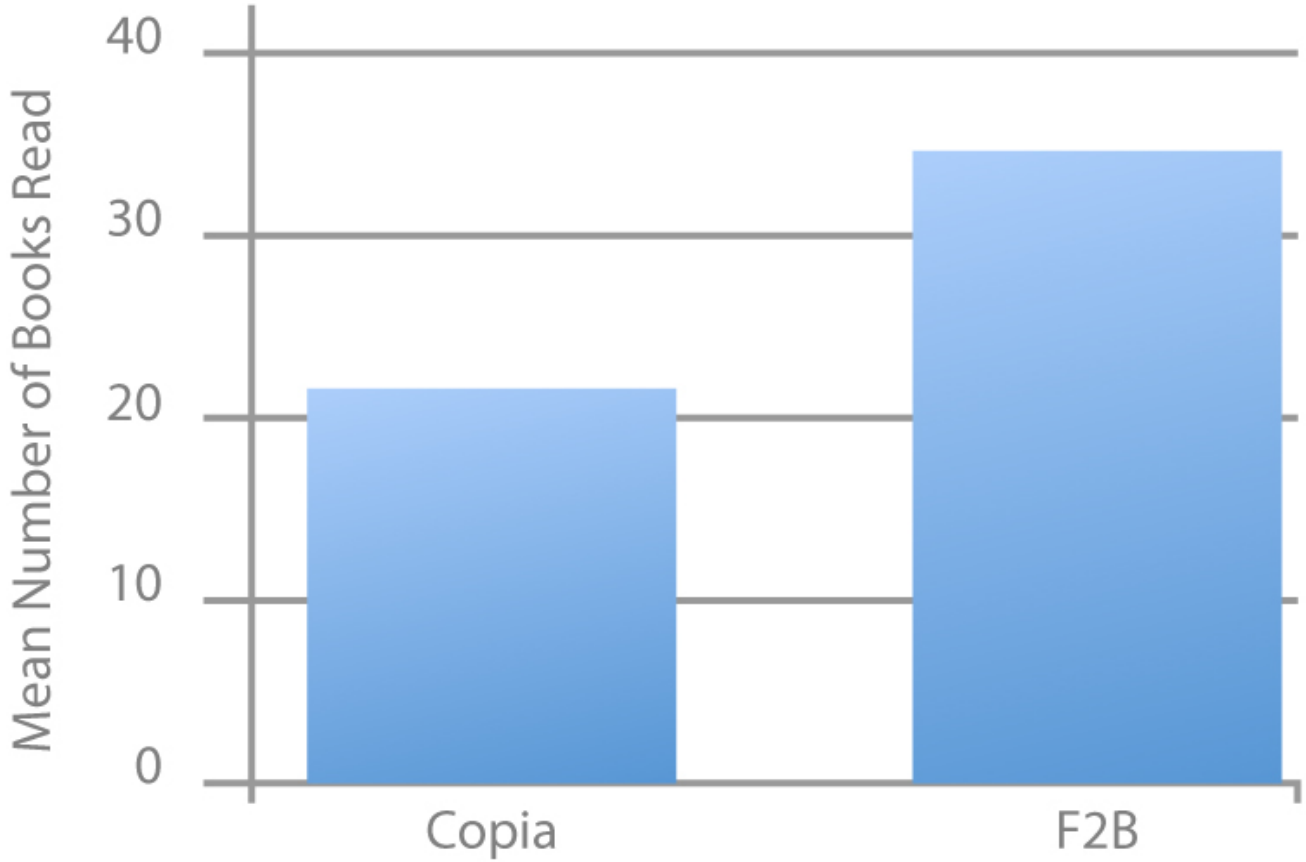
Stanford University Evaluation
August 2014



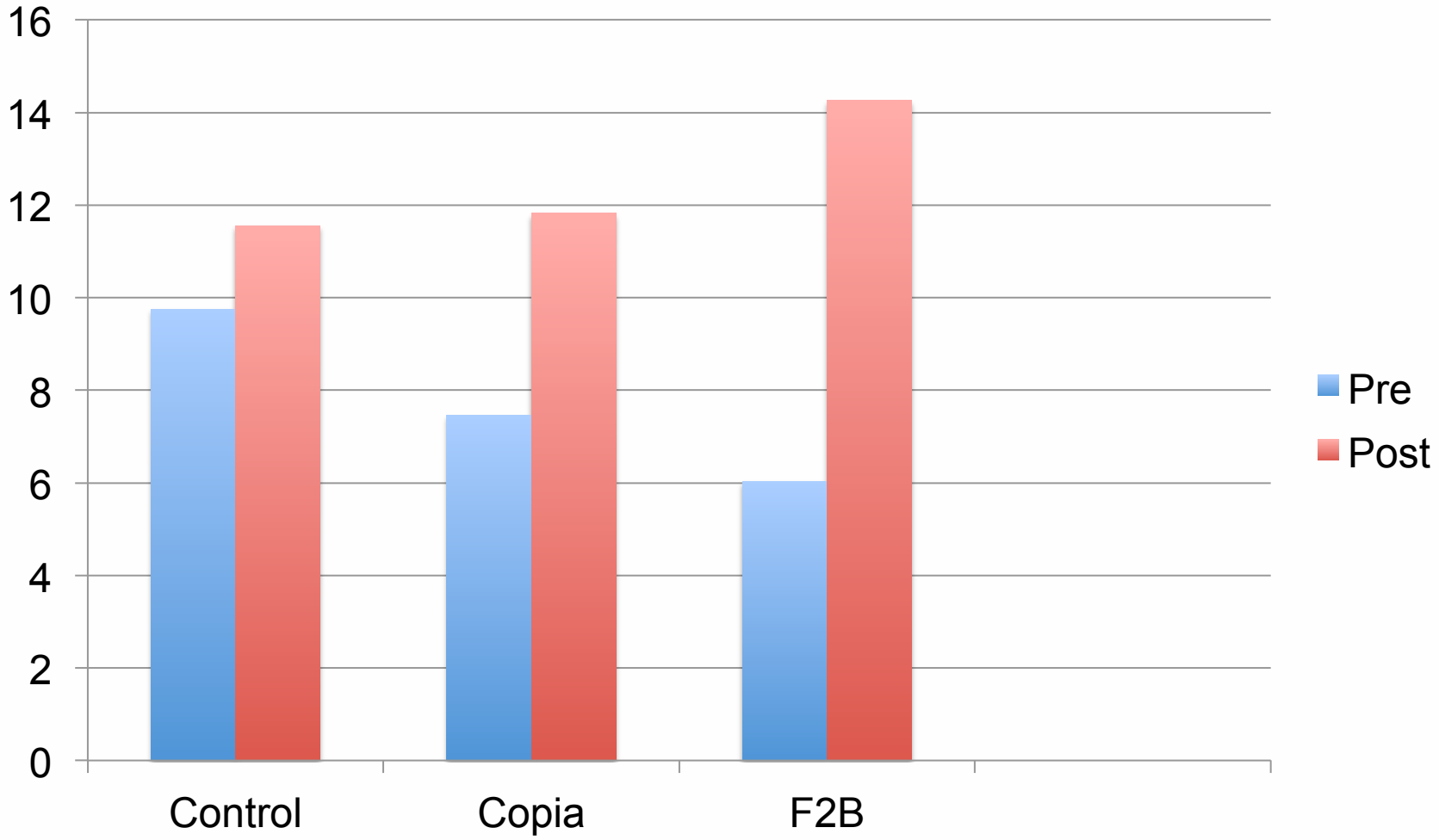
Number of Books Read by App Type

August 2014



Mean Letters Score by Pre/Post and Pilot v. Control

August 2014



Mean Vocab Score by Pre/Post and Pilot v. Control

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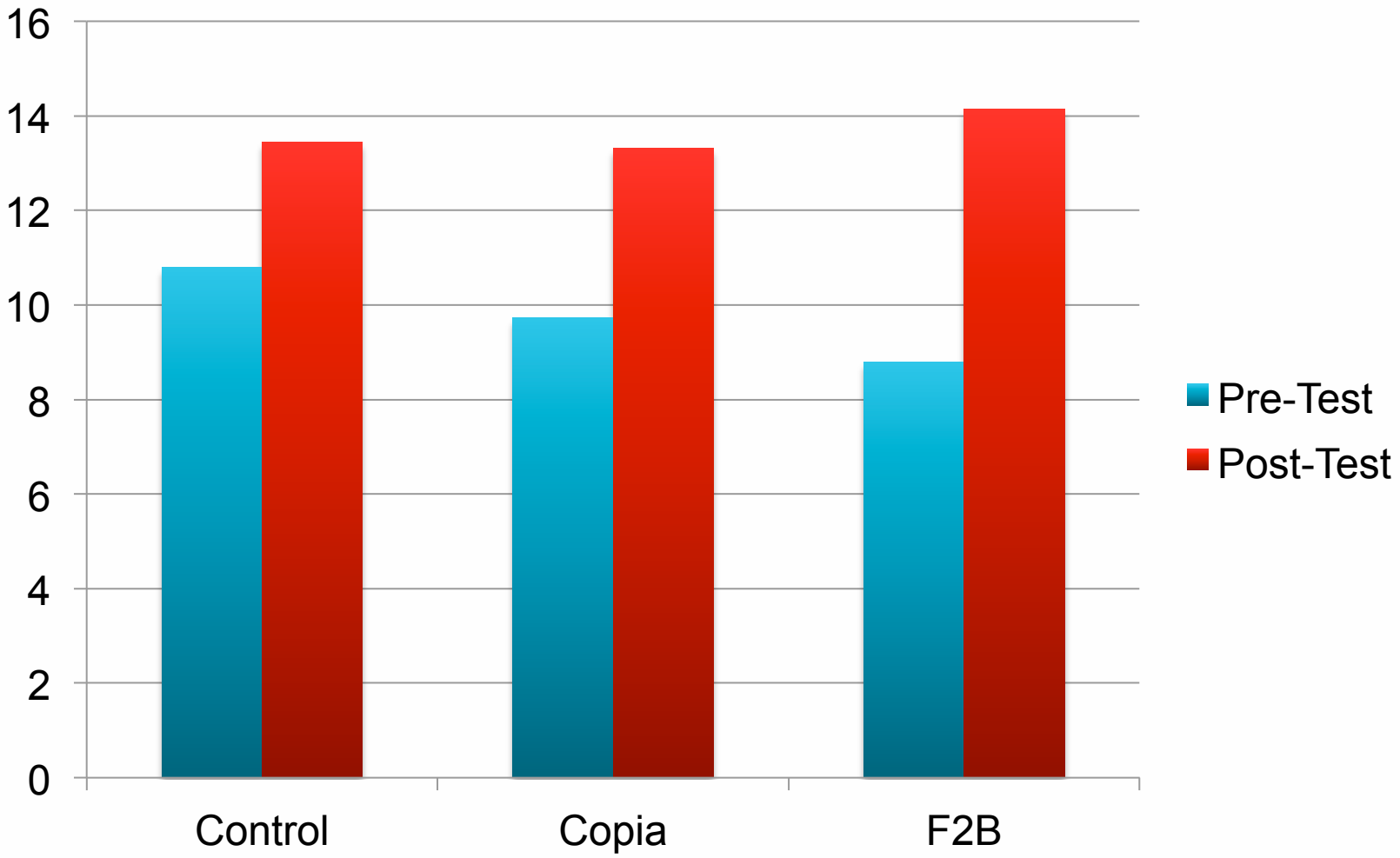
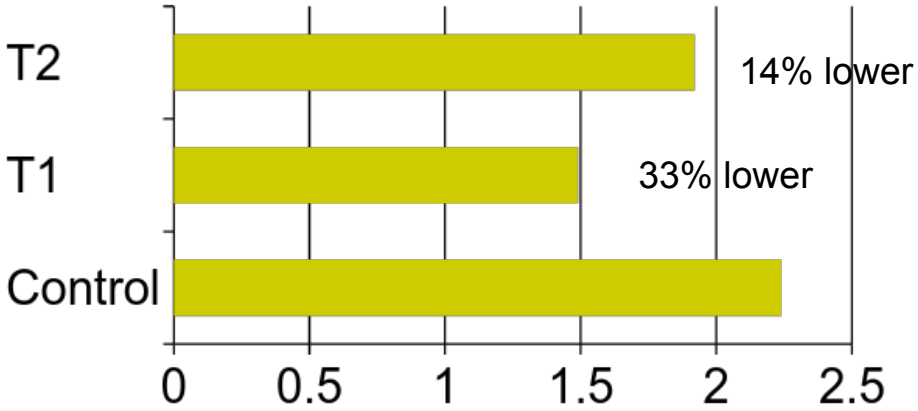


1st and 2nd Grade Results

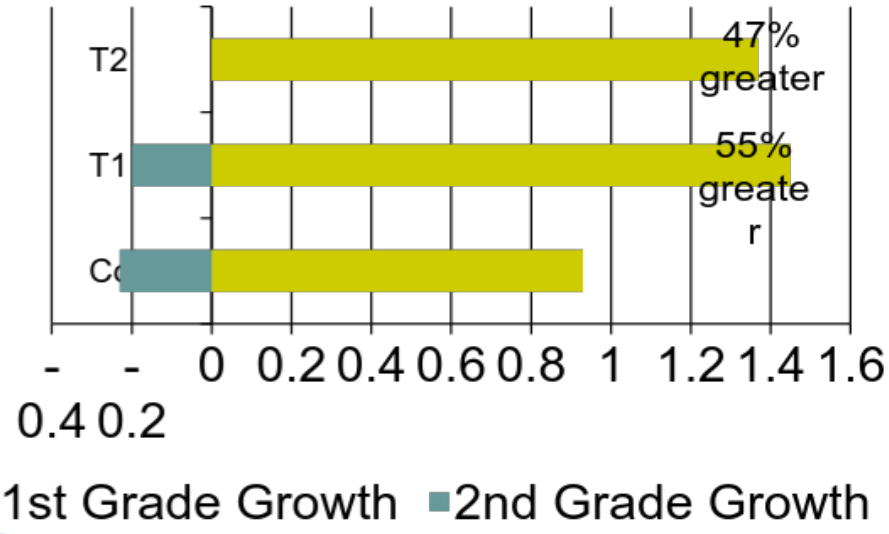
1st and 2nd Grade: CELDT Analysis

- **California English Language Development Test**
  - Given at the BEGINNING of each year

Kindergarten Baseline Data



Growth in 1st & 2nd Grades



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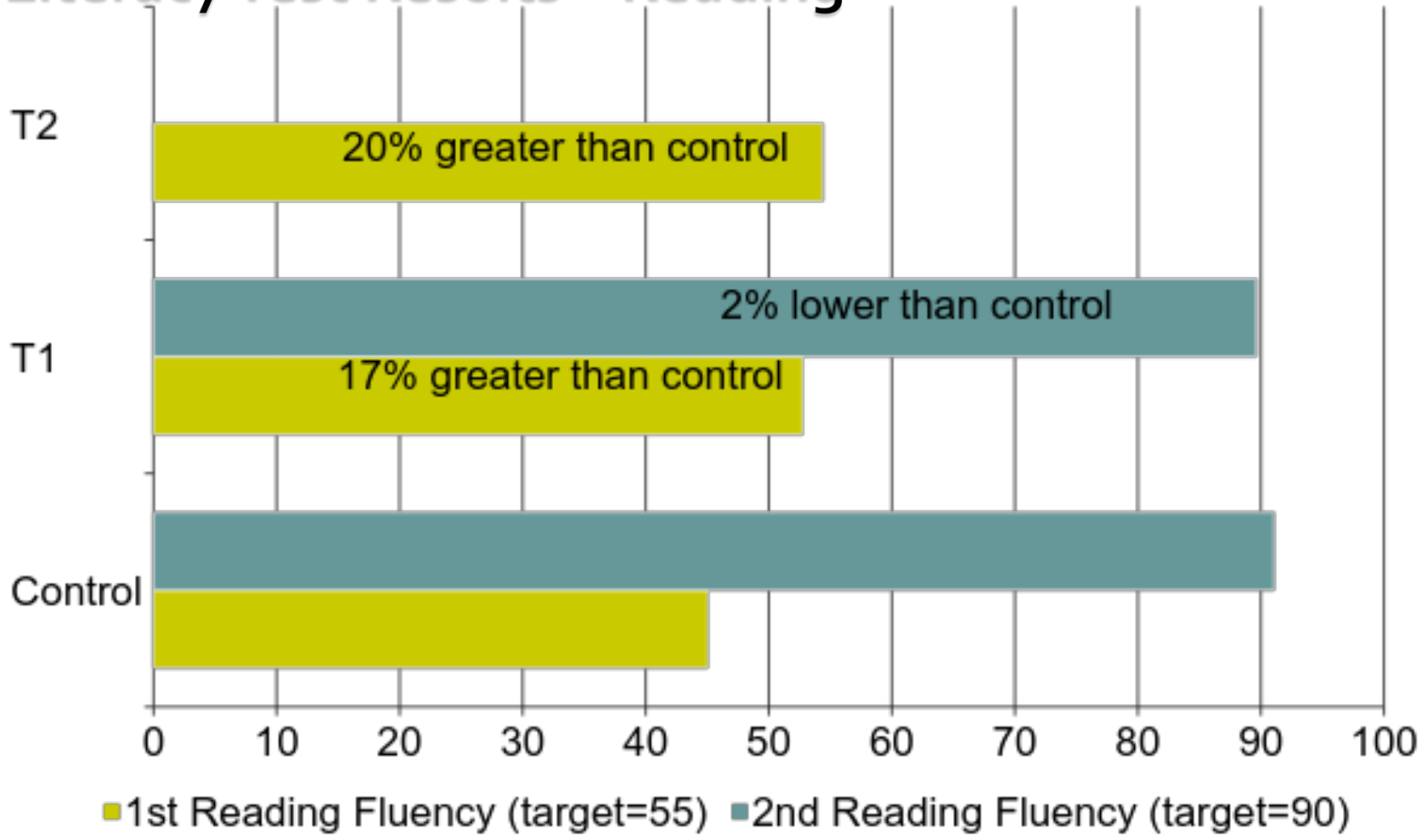
1st and 2nd Grade

Literacy Test Results – Reading



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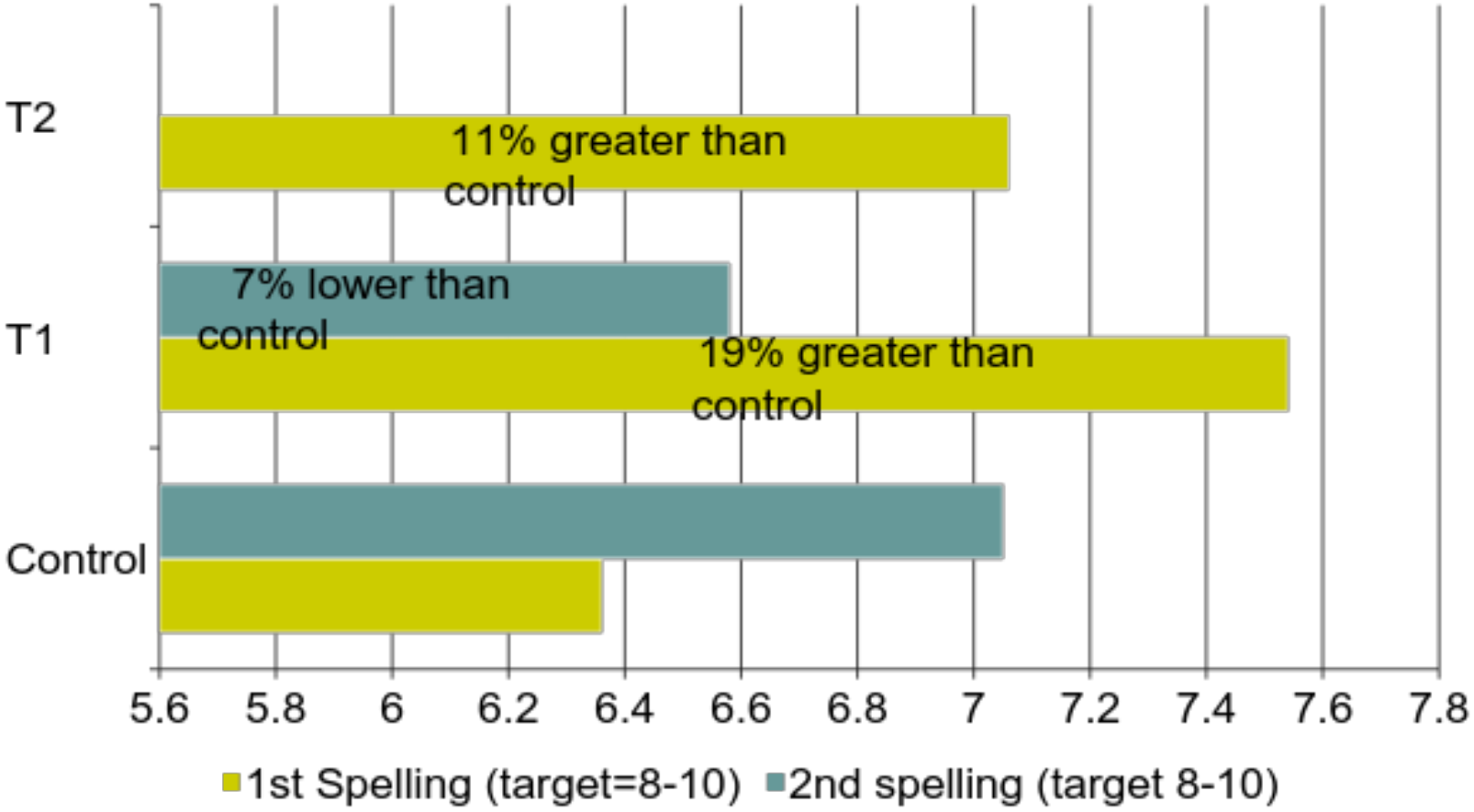
1st and 2nd Grade

Literacy Test Results - Spelling



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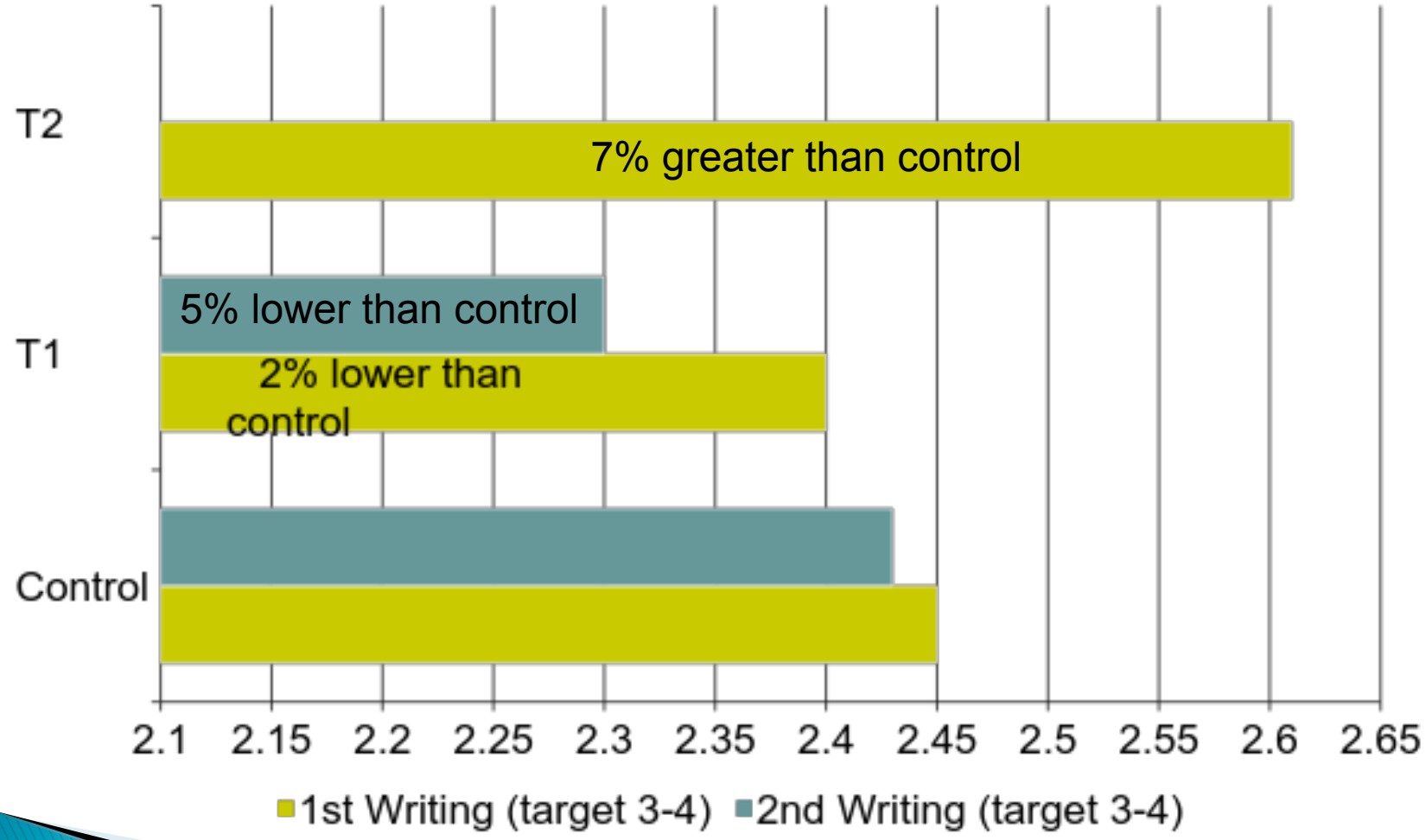
1st and 2nd Grade

Literacy Test Results - Writing



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Connecting home and school…

… through parent education

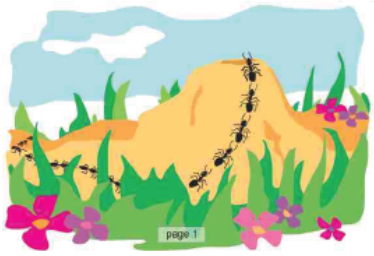
NCOE Trains Families in Housing Projects

Kindles for Kids

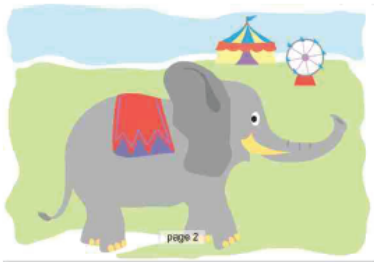
Student-Created Books

Footsteps2Brilliance encourages students to create variations on the books they have read. Here are some examples from TK and Kindergarten students.

Anthony Campos-Calderon - Thursday, September 11, 2014 (4:34 PM)
Angela Hetland's Kindergarten Class at Ocotillo Elementary



A is for Ant's



BUBBA Elephant

C is for Candy Candy

Free Apps Our Teachers Use

- iKinder.org is a site created by Napa County kindergarten teachers. They list apps, connections to the common core and to Bloom's updated taxonomy.
- Common Sense Media has a list of best free apps and reviews of apps

- Kidsusa.gov
- Starfall.com
- Abcya.com/animate
- Feel Electric
- Storylineonline.net
- Toontastic

- Here are Some of our Napa Preschool Teachers Favorite Free Apps

- Happy Geese
- Color Slapps
- StoryMaker
- AutismEmotions
- SoundTouch
- KidsDoodle
- .

- Tipi Tom
- WriteRead
- DoodleBuddy
- ABC Preschool Vocabulary
- ChoiceBoardCreator
- Kickbox

Technology and interactive media are here to stay

District of Distinction

- NCOE was named a District of Distinction by the District Administration magazine in March, 2015 for our Digital Early Literacy program. We also won a DILA award, and the grand prize in the eSchoolnews Collaboration Nation contest.

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30-Day Free Trial

- Foosteps2Brilliance is happy to offer you at 30-day free trial. Go to:

- http://www.footsteps2brilliance.com/trial/