

# LENA<sup>®</sup> GROW - Early Learning Coalition of Sarasota County



**Early Learning**  
Coalition of Sarasota County

*Ready for Learning, Ready for Life!*

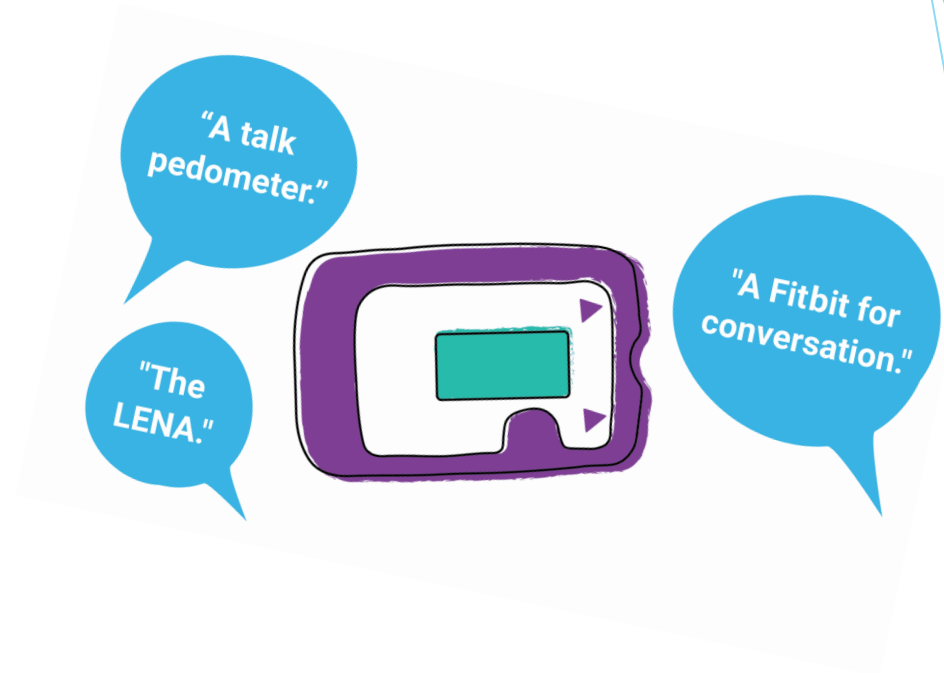


- ▶ Brigid Kolowith -
  - ▶ Chief Operating Officer
  - ▶ [bkolowith@elcsarasota.org](mailto:bkolowith@elcsarasota.org)
  
- ▶ Kathy Cestaro
  - ▶ Early Childhood Specialist
  - ▶ [kcestaro@elcsarasota.org](mailto:kcestaro@elcsarasota.org)

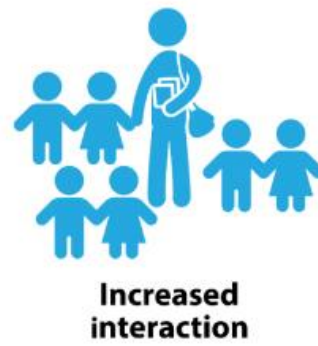
# LENA<sup>®</sup>

Building brains through early talk

- ▶ History and Background
- ▶ What is LENA?



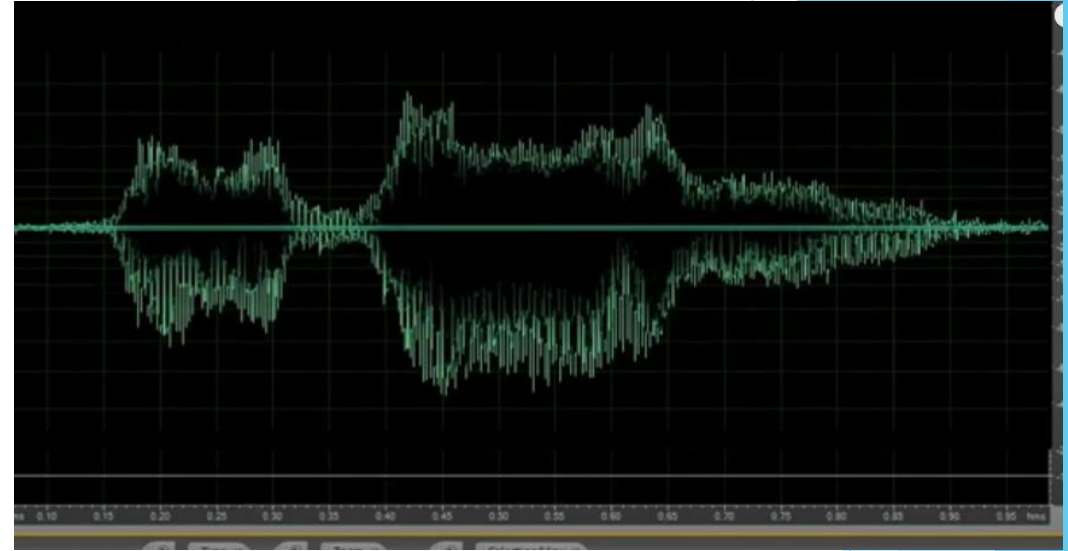
## How LENA Grow Works



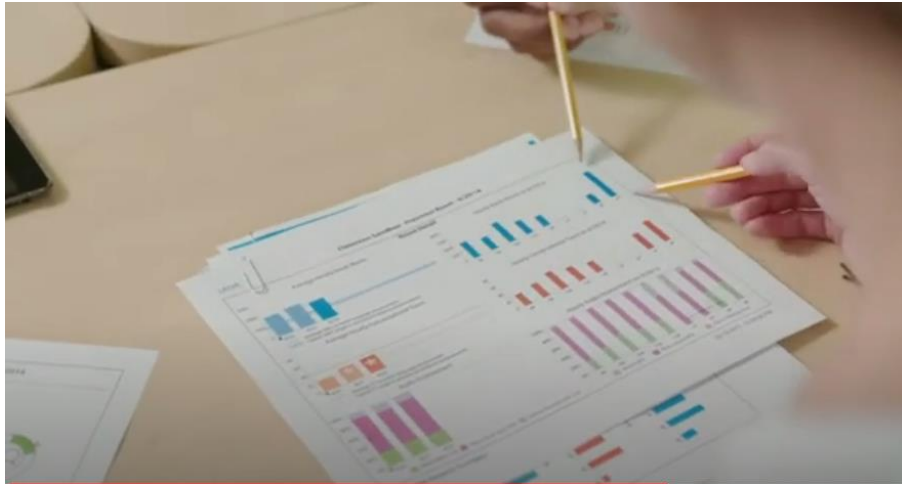
# Recording day



# Upload Data



# Coaching Day

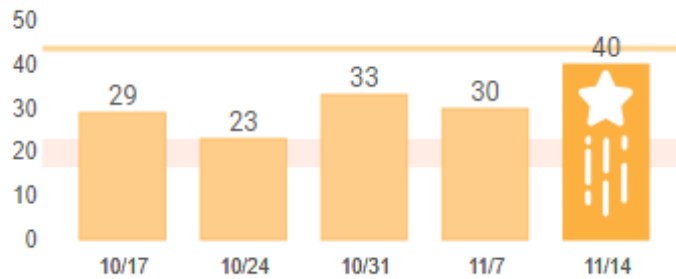


☆ ☆ ☆ **3** stars earned on this LENA Day ☆ ☆ ☆

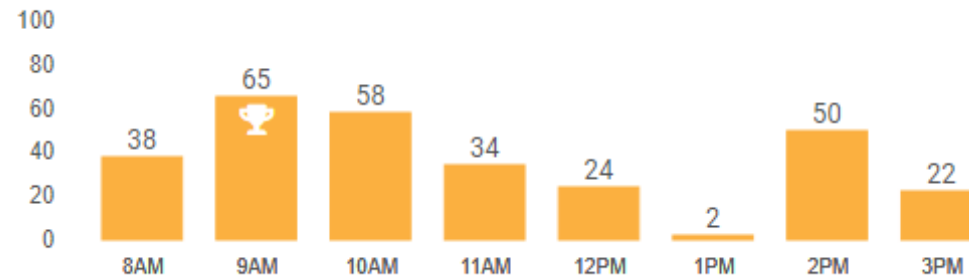
**14** total stars earned since LENA Day 1

You earned **1 Room Average Star** because Daily Turns are 25 or more!

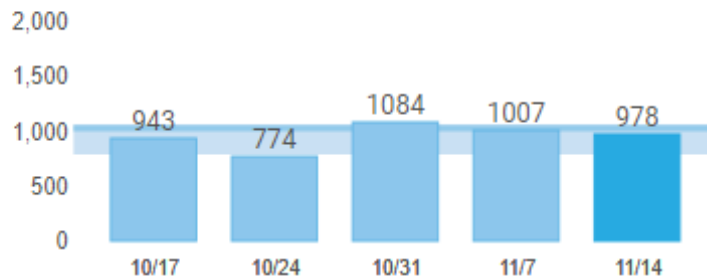
Daily Turns



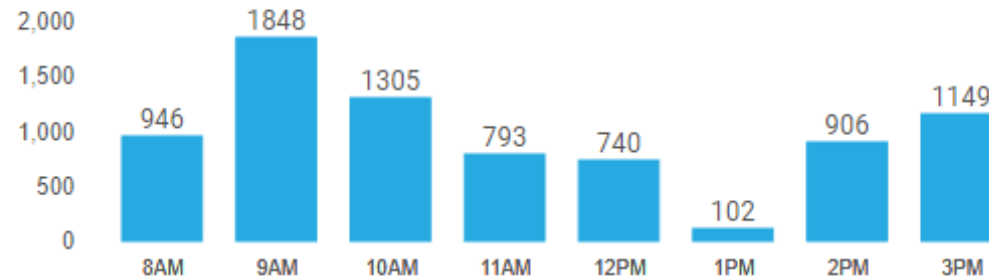
Hourly Turns



Daily Adult Words



Hourly Adult Words



— Average in home language environment for similar average age  
— Typical AWC range in preschool/child care environments

**Daily graphs** show the average hourly Words or Turns per child on a LENA day.  
**Hourly graphs** show the average Words or Turns per child in an hour.



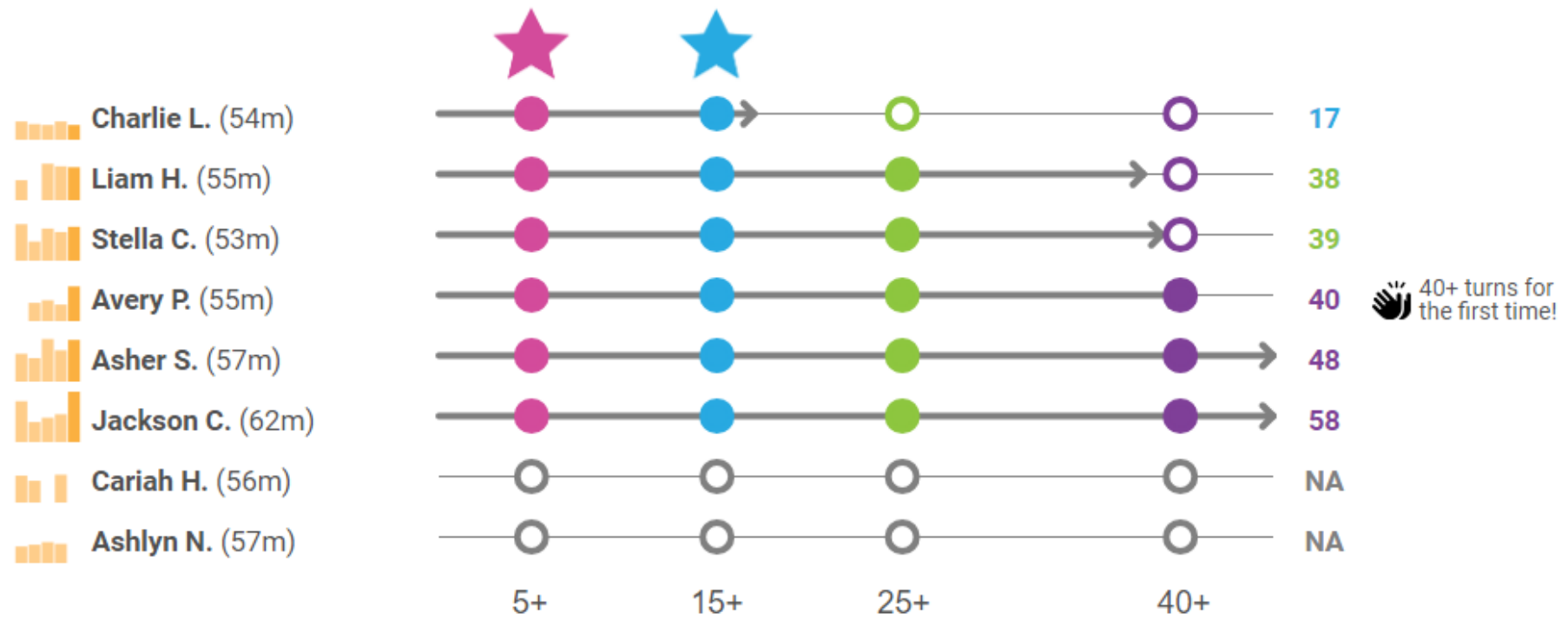


3 stars earned on this LENA Day

14 total stars earned since LENA Day 1

You earned 2 Interaction Star(s) because all children experienced 15 or more turns per hour on average!

Interaction Chart: Daily Turns per Child



Daily Turns per Child shows this LENA Day's average hourly turns for a child. Gold bars to the left of the child's name show previous LENA Days compared to this LENA Day (dark gold).

☆ ☆ ☆ We completed LENA Grow! ☆ ☆ ☆



**Total stars**

4 Stars for Room Average Conversational Turns



10 Stars for Interaction



**Note:**

- **Conversational Turns** are back-and-forth exchanges between adults and children.
- **Interaction Stars** are earned when rooms meet a specific benchmark level of interaction for all children.

By the end of the program...



of children were experiencing 25 or more turns per hour

The highest day for turns was...



with 40 turns per hour on average

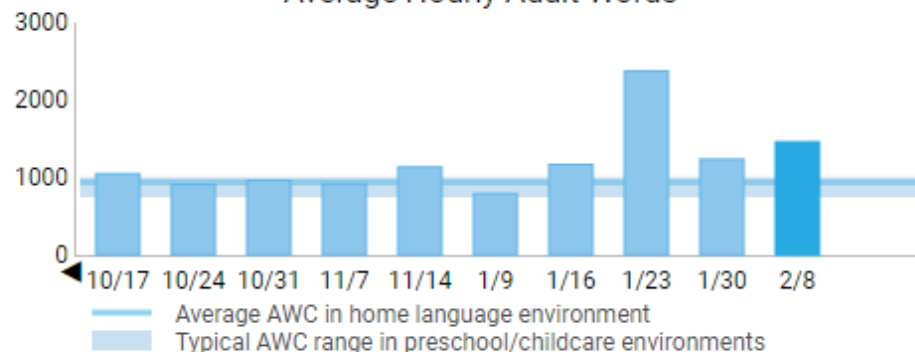
A total of 9 children experienced...

248,267  Adult Words

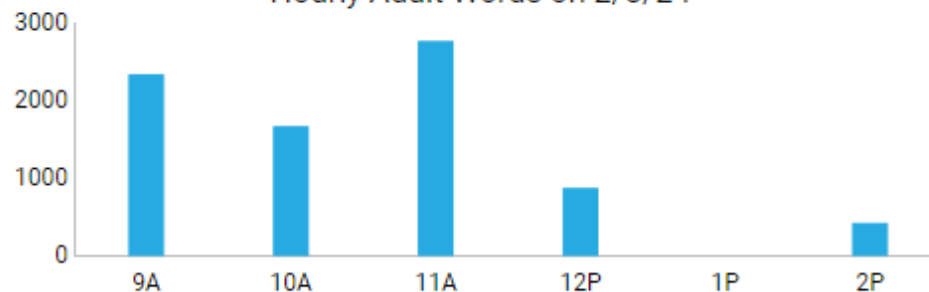
8,029  Conversational Turns

in 5 LENA Days from 10/17/2023 - 11/14/2023

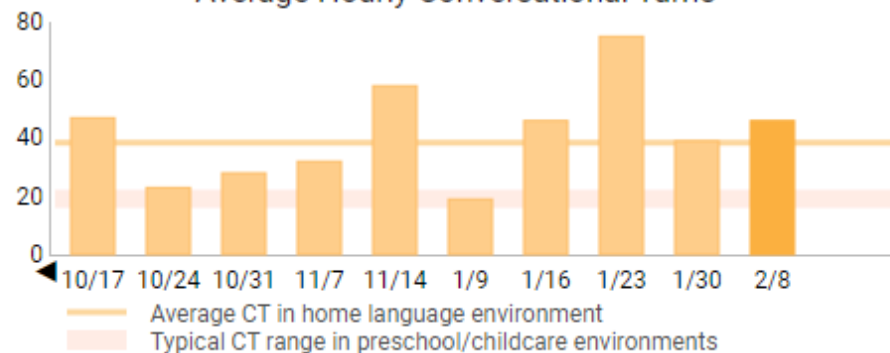
Average Hourly Adult Words



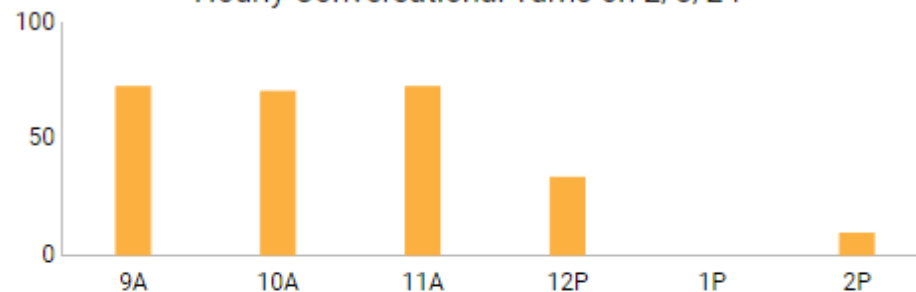
Hourly Adult Words on 2/8/24



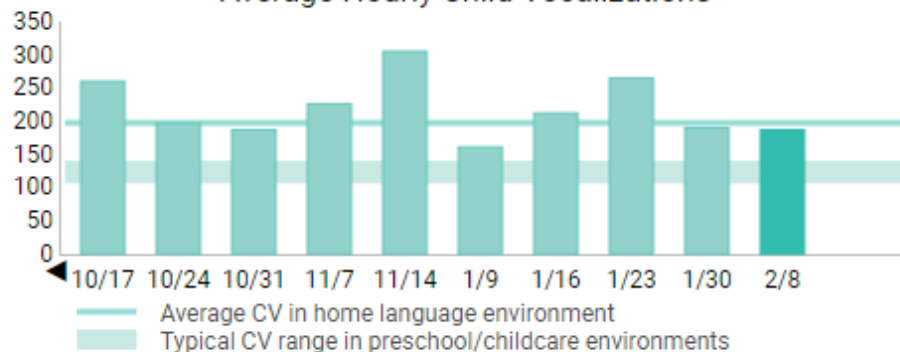
Average Hourly Conversational Turns



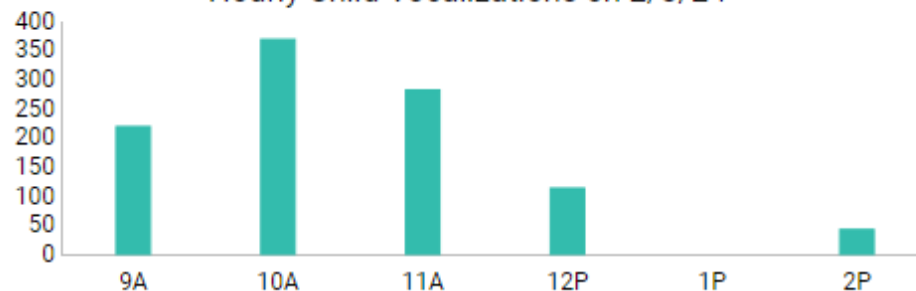
Hourly Conversational Turns on 2/8/24



Average Hourly Child Vocalizations



Hourly Child Vocalizations on 2/8/24

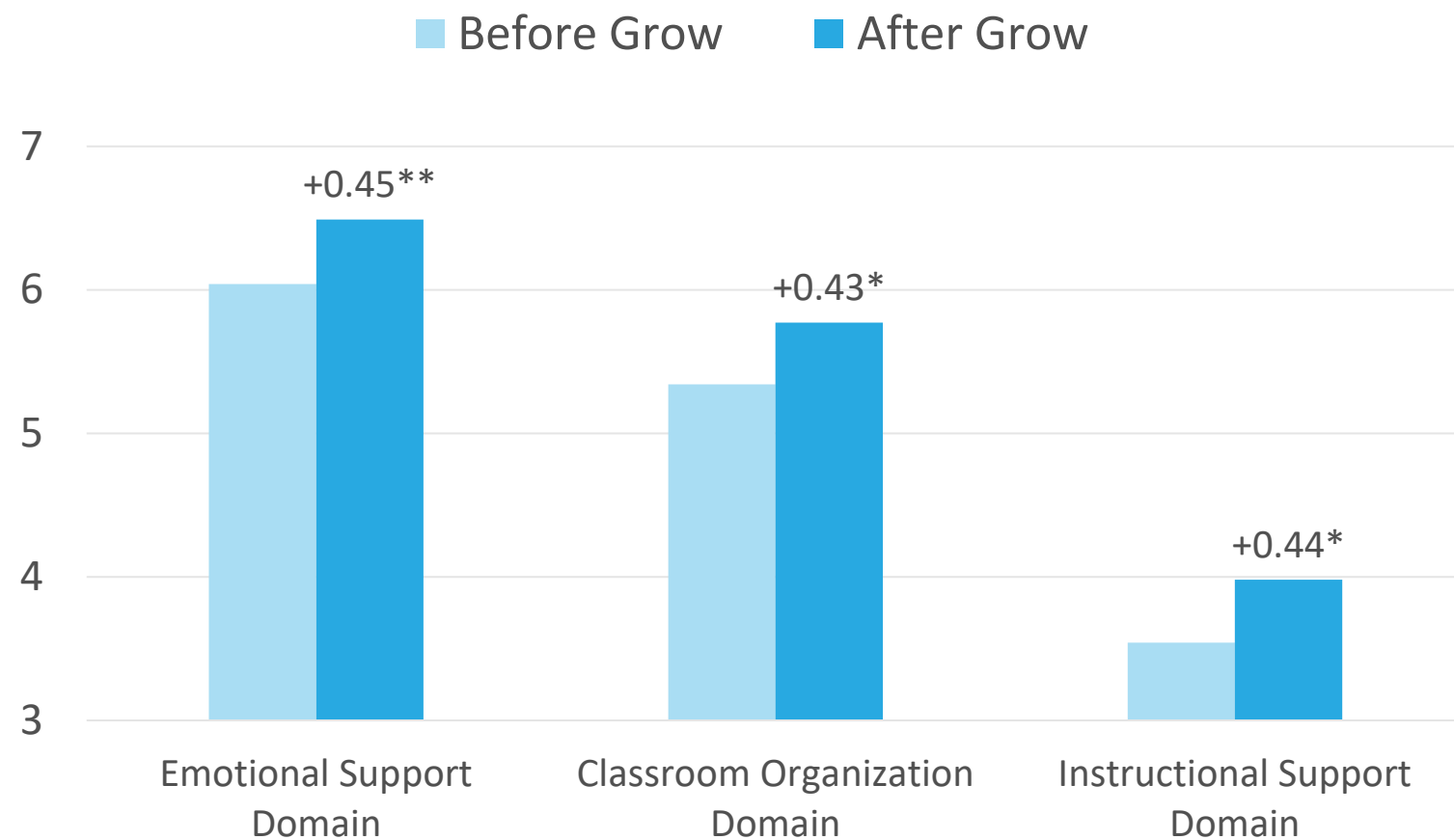


# Sarasota's plan

- ▶ Pre / post TS GOLD assessments
- ▶ Pre / Post CLASS assessments
  
- ▶ Going forward
  - ▶ 5 week

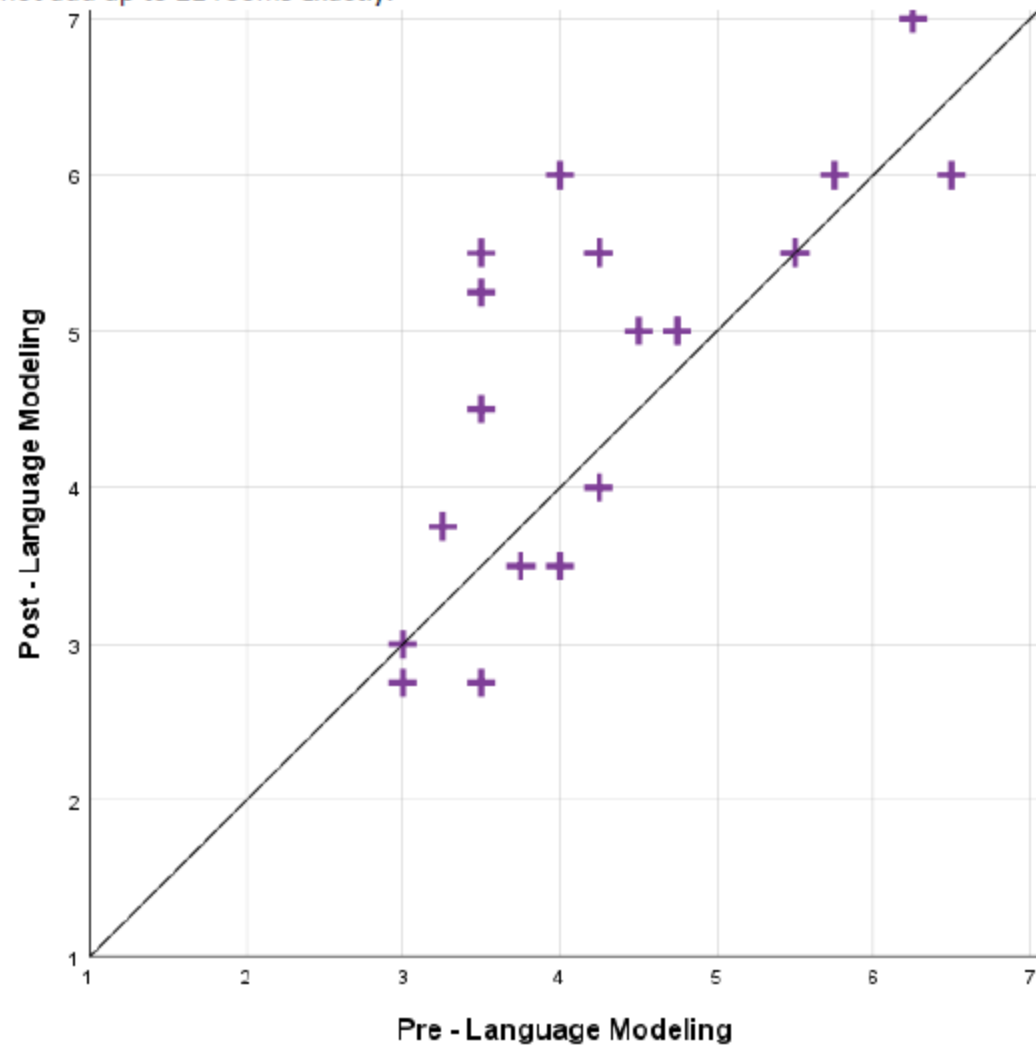
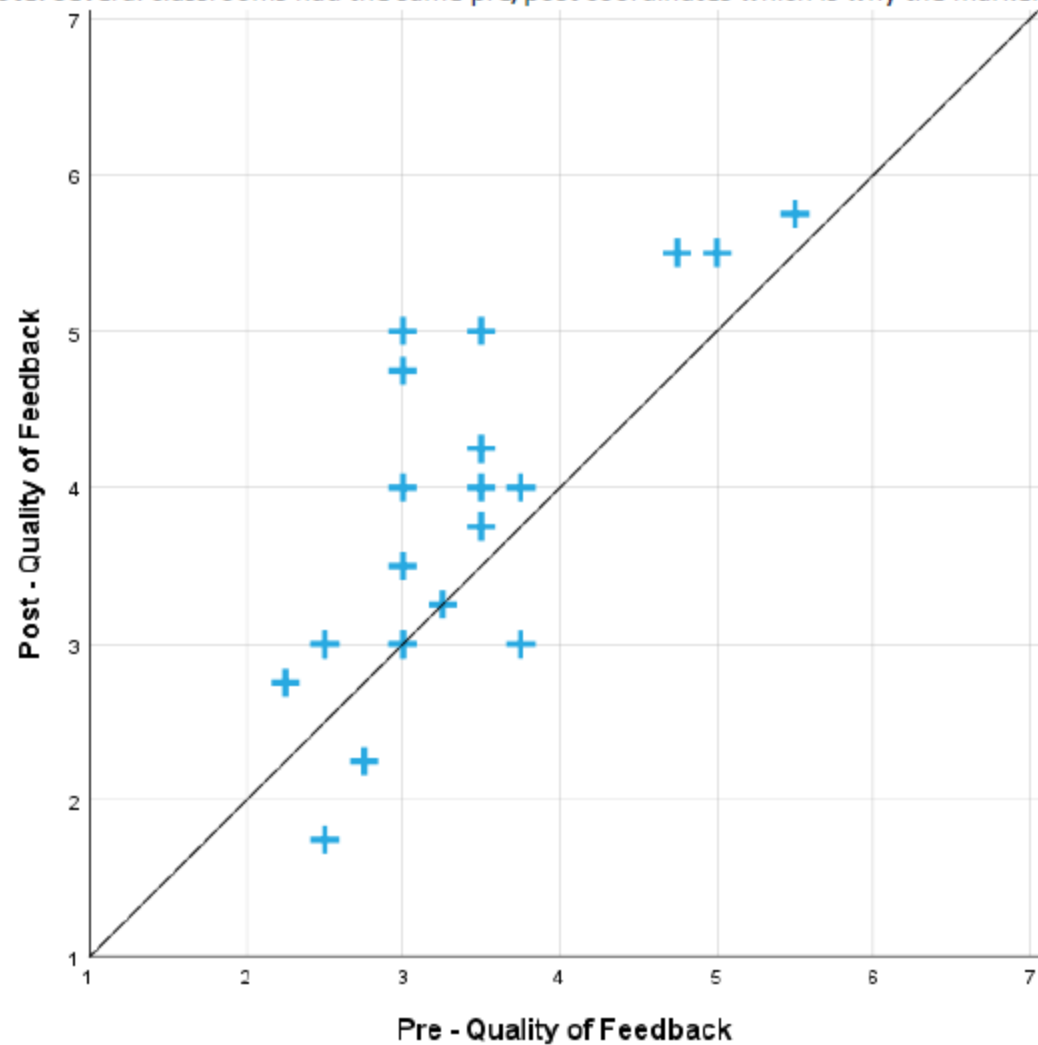


# PRE/ POST CLASS and LENA

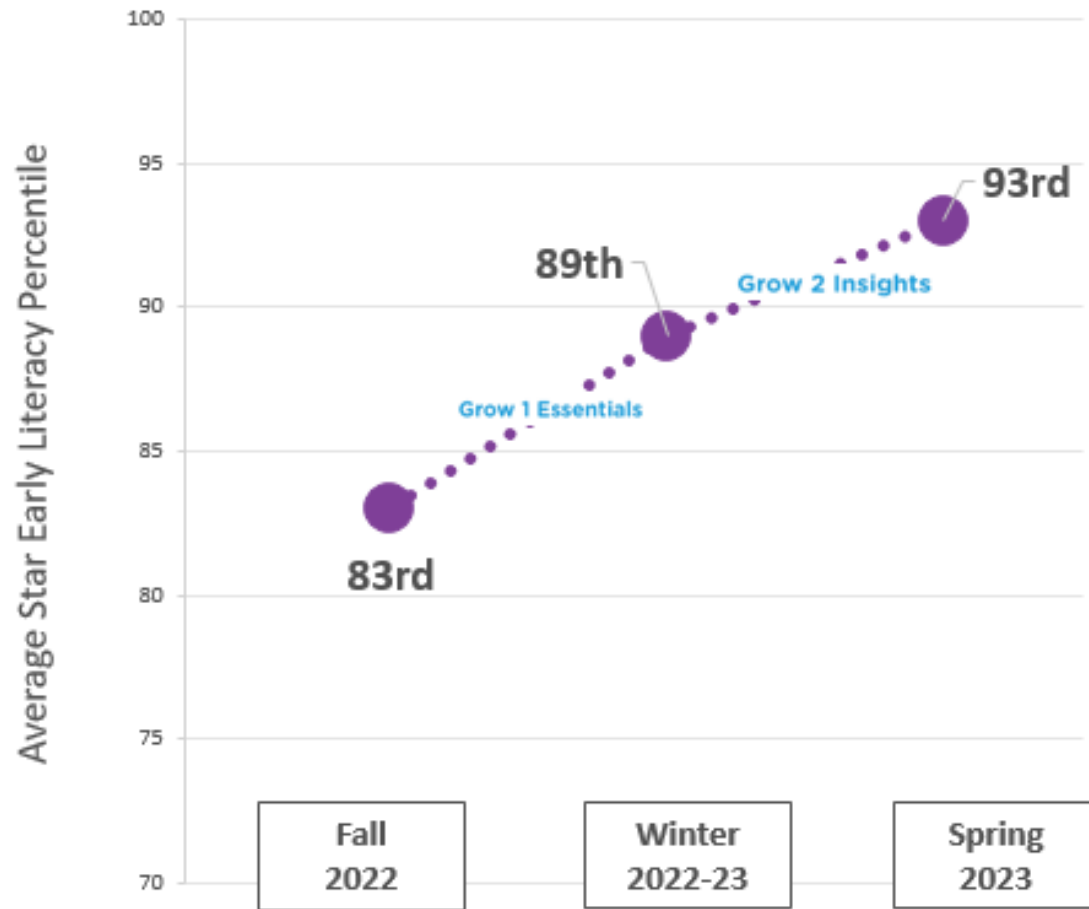


**Figure 1. Pre/Post Scores on Two Dimensions: Quality of Feedback and Language Modeling (N=21 Pre-K and Toddler Rooms)**

Note: Several classrooms had the same pre/post coordinates which is why the markers do not add up to 21 rooms exactly.



# Star Early Literacy



# Future

- ▶ Going forward
  - ▶ 5 week
- ▶ Data Collection

