

#### Data Analysis: Birth – Age 5

Office of Early Learning & School Readiness



#### **Presenters**

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#### **Session Objectives**

Review Ohio's Early Learning Assessment (ELA)

Consider data sources related to literacy to analyze, examine and interpret using the ELA

Engage in a root cause analysis

Practice developing narratives to support data analysis



# Ohio's Early Learning Assessment



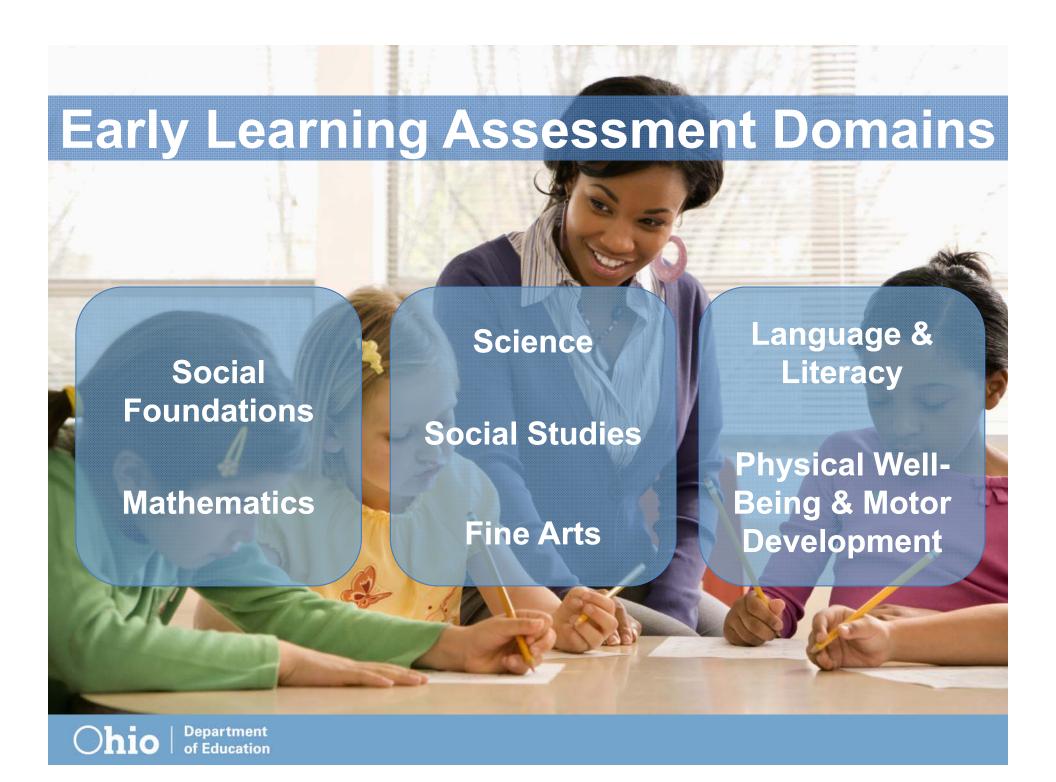
# What is the Early Learning Assessment?



Formative assessment tool to address school readiness domains



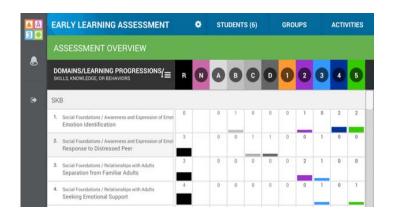
Ohio's Early
Learning
Development
Standards



#### How does the ELA work?

- 1. Data is taken from observations completed by a trained teacher or early childhood professional.
- 2. Teachers use observations to rate a child's skills, knowledge or behaviors (SKB) in different domains.
- 3. The ratings for individual SKBs come together to create a learning progression score for each domain.





#### Ratings/Scoring

PRO	PROGRESSION LEVELS									
Α	В	C	D	1	2	3	4	5		
	Developm precedin			Approximately three years of age	_	s toward rten entry	Approximately entry to kindergarten	Approximately end of kindergarten		

#### **Not Scorable or Not Evident?**



#### Language and Literacy

Focus on children's language development

Foundation for early literacy skills

Speaking and listening, reading and writing

#### Language and Literacy

7 Learning Progressions

 18 Skills, Knowledge and Behaviors (SKBs)



# Learning Progressions

Story/Text Comprehension

Phonological Awareness

Phonics and Letter Recognition

Communication

**Emergent Writing** 

Grammar



Respond to questions about a text

**Retell a Text** 

→ Story/Text Comprehension

Phonological Awareness

Phonics and Letter Recognition

Communication

**Emergent Writing** 

Grammar



**Rhyming Words** 

Syllables/Onsets and Rimes/Phonemes

Initial/Final/Medial Sounds

Adding/Deleting/ Substituting Sounds Story/Text Comprehension

→ Phonological Awareness

Phonics and Letter Recognition

Communication

**Emergent Writing** 

Grammar



## **Uppercase Letters**

Lowercase Letters

**Letters-Sounds** 

#### Story/Text Comprehension

Phonological Awareness

→ Phonics and Letter Recognition

Communication

**Emergent Writing** 

Grammar



## Purposes and Situations

Story/Text Comprehension

Phonological Awareness

Phonics and Letter Recognition

→ Communication

**Emergent Writing** 

Grammar



# Name Recognition and Writing

Writing to Convey Meaning

Story/Text Comprehension

Phonological Awareness

Phonics and Letter Recognition

Communication

→ Emergent Writing

Grammar



**Sentences** 

**Questions** 

**Prepositions** 

**Inflections** 

Story/Text Comprehension

Phonological Awareness

Phonics and Letter Recognition

Communication

**Emergent Writing** 

→ Grammar



#### **Word Meanings**

Word Relationships

Story/Text Comprehension

Phonological Awareness

Phonics and Letter Recognition

Communication

**Emergent Writing** 

Grammar



#### **Phonics and Letter Recognition**

Operational Definition: Demonstrates an understanding of letter recognition skills and letter-sound correspondence



Student	Gender	ELL	IEP	School	Teacher	Uppercase	Lowercase	Sounds
Beth	F	N	N	North Lake	Cline	D	NE	NE
Kim	F	N	N	North Lake	Cline	1	2	3
Jeremy	M	N	N	North Lake	Cline	1	2	3
Avery	M	Υ	N	North Lake	Best	С	NE	NE
Stacey	F	N	Υ	North Lake	Best	1	NE	3
Susan	F	N	N	North Lake	Best	2	2	3
Josh	M	N	N	North Lake	Best	2	3	3
Alex	M	Υ	N	South Lake	Javor	2	3	3
Ramsay	M	N	Υ	South Lake	Javor	С	NE	NE
Romeo	M	N	N	South Lake	Javor	D	NE	NE
Maggie	F	N	N	South Lake	Javor	1	2	NE
Amy	F	N	N	South Lake	Helms	1	2	NE
Jack	М	N	Υ	South Lake	Helms	С	NE	NE
Liam	M	N	N	South Lake	Helms	С	NE	NE
Harper	F	N	N	South Lake	Helms	3	4	4

UPPERCASE	Level A	Level B	Level C	Level D
Identifles an increasing number of uppercase letters	Attends to language or communication.		Matches spoken or signed words to images on printed page.	Recites or signs several letter names from previously heard songs or rhymes, often beginning with letters early in the alphabet.
Level 1	Level 2	Level 3	Level 4	Level 5
Names and identifies a few uppercase letters, often beginning with the first letter in own name.	Names and identifies some (at least 5) uppercase letters.	Names and identifies many (at least 10) uppercase letters.	Names and identifies most (at least 20) uppercase letters.	Names and identifies all uppercase letters.

LOWERCASE	Level A	Level B	Level C	Level D
LETTERS				
Identifies an increasing number of lowercase letters				
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LETTERS COUNTS	Level A	Level B	Level C	Level D
LETTERS-SOUNDS				
Identifies and produces an increasing number				
of the most frequent sounds that correspond				
to letters				
Level 1	Level 2	Level 3	Level 4	Level 5
				Identifies and produces
			Identifies and produces	the most frequent
		Identifies and produces	the most frequent	sound for each
		the sound for a few	sound for some (at	consonant and the
		letters.	least 5) consonants.	short and long sounds
				for the five major
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Ramsay	South Lake	Javor	С	NE	NE
Romeo	South Lake	Javor	D	NE	NE
Maggie	South Lake	Javor	1	2	NE
Amy	South Lake	Helms	1	2	NE
Jack	South Lake	Helms	С	NE	NE
Liam	South Lake	Helms	С	NE	NE
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#### **Other Data Sources?**



Informal data

#### Formal data



### **Root Cause Analysis**



#### **Root Cause Analysis**

 Determine the cause of achievement gaps

Helps identify the problem

Facilitates discussion

 Rationale for improvement strategies



#### **Root Cause Steps:**

Identify the problem

Conduct data analysis

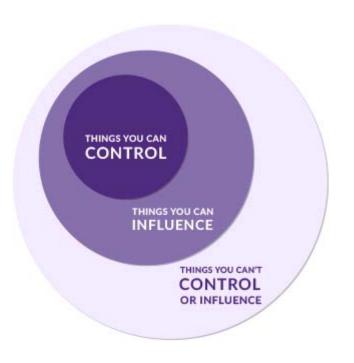
Identify the root cause

Prioritize and plan for improvement

Implement and evaluate progress

#### Focus on:

- Locus of Control
- Teacher practices
  - -Strategies
  - –Evidence Based Practices
  - –Effective implementation
- Tiered interventions



# Problem Solving Approach Teacher Focus

What are key challenges for the Learning Progression?

How are you addressing these?

What are you planning to support growth?

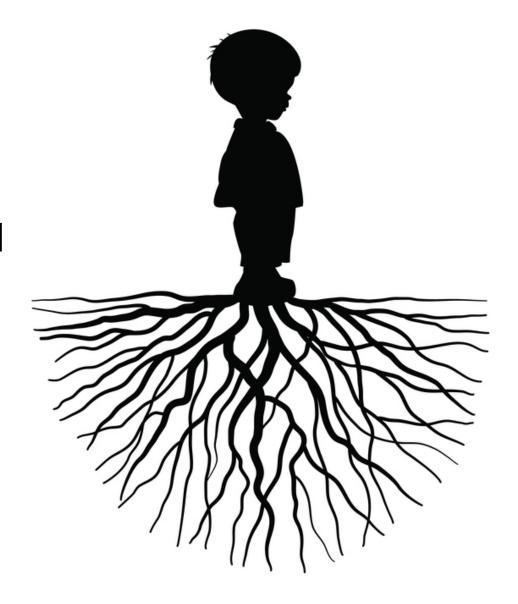
Does this address root cause?



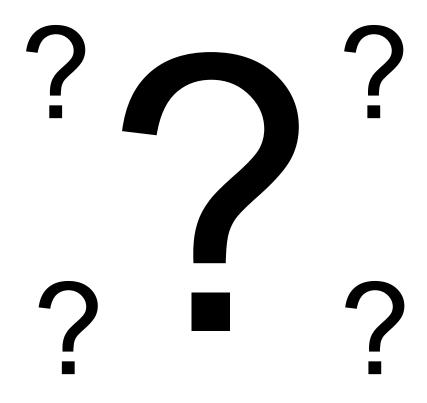
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# **Identify the Root Cause**

- Look for patterns and trends
- Is there variability?
- Create narrative to analyze data
- Rarely one root cause



#### **Define the Problem**



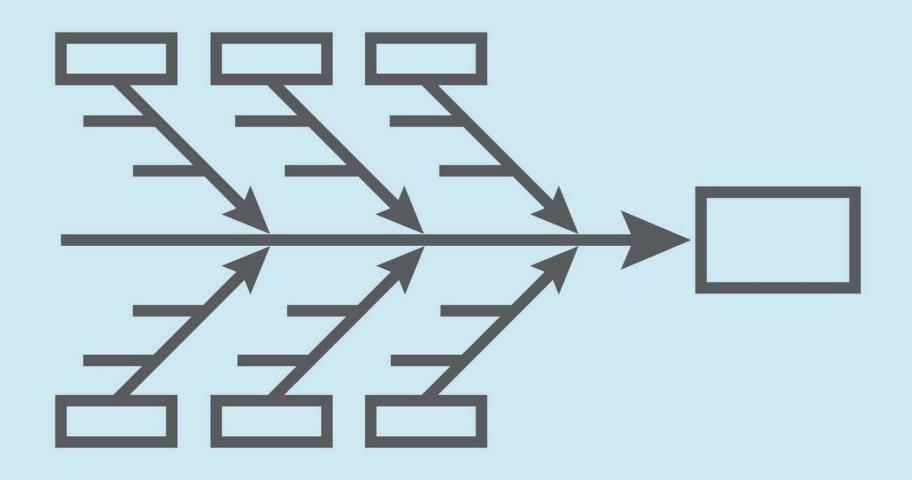
Why is this happening?

The 5 Whys

#### **Prioritize Causes and Strategies**

- Use fishbone diagram to sort causes and strategies for improvement
- Prioritize causes
- Focus on sphere of influence for changes
  - –Adult performance
  - -Adult implementation
  - -Evidence based practices





#### Plan and Implement Strategies

- Where is the student now?
- Where is the student going?
- How will the student get there?

#### Plan and Implement Strategies

- What adult implementation strategies will alleviate the achievement gap and address the root cause?
  - -Professional Development
  - -Mentoring/Coaching
  - -Evidence-based strategies

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Student	School	Teacher	Persisting with Tasks
Beth	North Lake	Cline	D
Kim	North Lake	Cline	1
Jeremy	North Lake	Cline	2
Avery	North Lake	Best	С
Stacey	North Lake	Best	D
Susan	North Lake	Best	2
Josh	North Lake	Best	3
Alex	South Lake	Javor	3
Ramsay	South Lake	Javor	С
Romeo	South Lake	Javor	D
Maggie	South Lake	Javor	1
Amy	South Lake	Helms	2
Jack	South Lake	Helms	С
Liam	South Lake	Helms	С
Harper	South Lake	Helms	4

SOCIAL FOUNDATIONS→ Approaches to Learning/Executive Function → Persistence							
PERSISTING WITH	Level A	Level B	Level C	Level D			
Demonstrates the ability to persist with a task for increasing lengths of time	Attends briefly to new objects and people.	Explores objects in different ways, such as holding, turning, shaking them, often quickly shifting attention from one object to another.	Explores objects for several minutes on own or with adult support.	Engages in goal- oriented tasks or activities for brief periods of time, but requires adult assistance, especially when difficulties, distractions, or interruptions occur.			
Level 1	Level 2	Level 3	Level 4	Level 5			
Engages in simple multi- step tasks or activities for brief periods of time, but requires adult assistance, especially when difficulties, distractions, or interruptions occur.	Engages in increasingly difficult or challenging tasks or activities for longer periods of time, but needs adult support when distractions or interruptions occur.	Engages in tasks or activities for extended periods of time, easily managing minor distractions or interruptions and requesting adult support for more significant challenges.	Engages in activities and projects, trying different strategies on own when difficulties, distractions, or interruptions occur, but may need some adult prompting in order to complete the activities or projects.	Engages in and completes activities and projects, independently making the necessary adjustments when difficulties, distractions, or interruptions occur.			

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#### Join the Conversation



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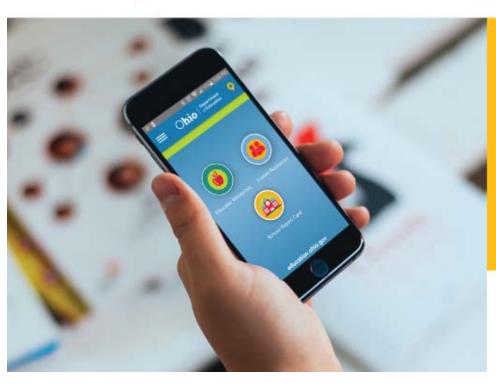


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