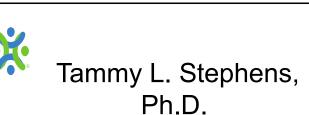


Conducting a Comprehensive Assessment of our Youngest Learners Using the BEAS and ESGI

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Disclosures

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Special Education Teacher



🔆 Rebecca Elliott

Product Manager, Battelle Developmental Complete

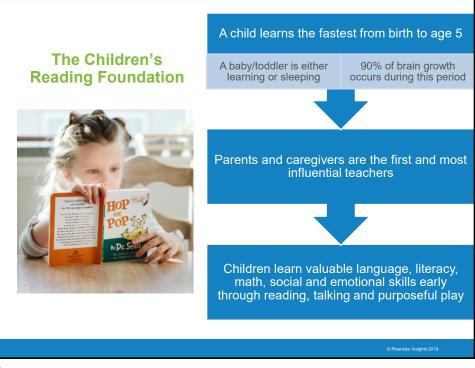
Masters of Education Innovation & Technology

Special Education Teacher









Children up to the age of 5



Learn

Learn best by imitation

Learn through

- Learn through hundreds of gentle repetitions in a safe, supportive environment with someone they love and trust
- Parents and caregivers who give attention, respond and interact with their child build a child's brain

Build

- Build networks of neurons through reading, talking and playing with purpose
- This development helps a child build the foundational skills needed to draw upon as new learning occurs

Early Readiness Skills



- Print Knowledge
 - · Differentiates print from picture
 - · Functions of print
 - Book rules
 - Print components
 - Letter naming
- Linguistic Awareness
 - Active listening
 - Vocabulary
 - Rhyming words
 - Segmenting words and sentences
 - Phonemic awareness
- **Emergent Writing**
- Scribbling
- Drawing
- Copying

.

- · Printing letters and name
 - Invented spelling

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Importance of Reading Proficiency



- One of the most important predictors of high school graduation is reading proficiently by the end of third grade
- More than 85 percent of the curriculum is taught by reading
- By the end of third grade, 74 percent of struggling readers never catch up
- Without a strong foundation in reading, children are left behind at the beginning of their education

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Importance of Math Proficiency

- Math encourages logical reasoning, critical thinking, creative thinking, abstract or spatial thinking, problemsolving ability, and even effective communication skills.
- Mathematics helps in analytical thinking. While solving math problems, data are collected, disassembled and then interconnected to solve them.
 - Mathematics helps develop ability to think.
 - Helps explain how things work.
 - Helps to develop wisdom.
 - Increases the speed of intuitive.
 - Helps develop overall intelligence.
 - Helps develop money awareness
 - Important in a constantly evolving world.



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Developmental Math Milestones



- Toddlers Ages 1-2
 - Numbers mean how many (counting fingers)
 - Begin reciting numbers
 - Match basic shapes
 - Explore measurement-filling containers
 - Understand words that compare-behind, under, faster
- Preschoolers-Ages 3-4
 - Recognize shapes in daily activities/settings

 - Sort by color, shape, size, purpose Use classification to compare/contrast-how tall? boy/girl? big/little?
 - Understand numerals stand for number names (1=one)
 - Uses spatial awareness to put puzzles together

Developmental Math Milestones



- Kindergarten- Ages 5-6
 - Adds by counting fingers (uses 2 hands) Identifies larger of 2 numbers & can
 - recognize numbers to 20
 - Copies/draws symmetrical shapes
 - Begins to understand basic time concepts-morning/night, days of the week
 - Follows multistep directions using words like first/next, before/after
- First & Second Grade Ages 6-7
 - Creates what comes next in patterns
 - Knows difference between 2 & 3
 - dimensional shapes (cubes, cones, cylinders, pyramids)
 - Counts to 100 by ones, fives, tens
 - Writes & recognizes the numbers 1-100 & the words for 1-20
 - Does basic addition & subtraction up to 20
 - Creates & reads simple bar graphs
 - Recognizes names and values of coins

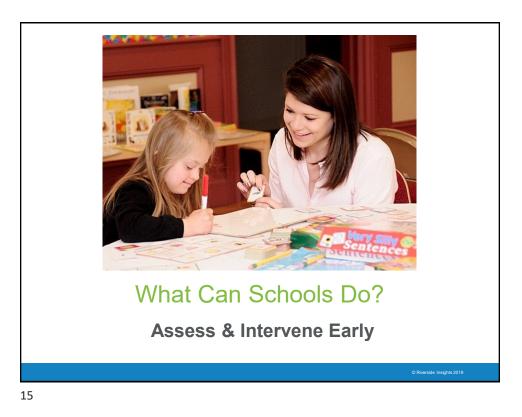
Starting Behind 40% of children enter kindergarten 1-3 years behind This has a lifelong impact It is challenging to close a learning gap because the child needs to achieve their typical year of academic growth plus another year of growth to catch up Studies show that children

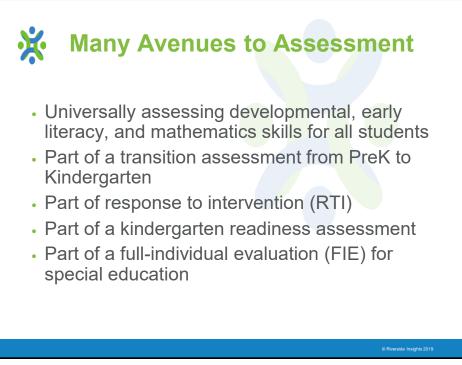
 Studies show that children can improve, but most will never catch up to their classmates



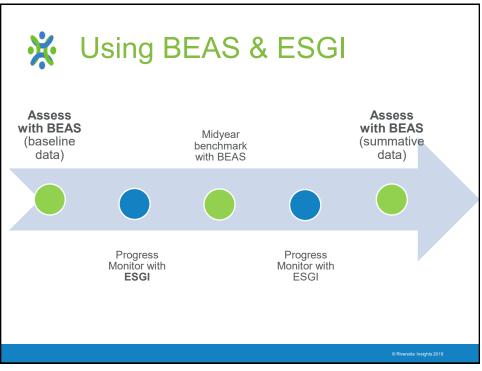
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Who Can Administer the BEAS?



- Preschool Teachers
- Head Start Teachers
- Kindergarten Teachers
- Special Education Teachers
- General Education Teachers
- Educational Diagnosticians
- School Psychologists
- Speech/Language Pathologists (SLP)
- Trained Paraeducators

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Importance of Early Literacy Skills



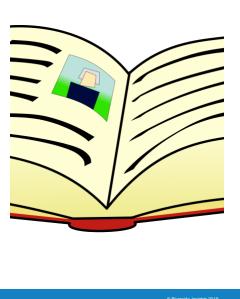
Although babies don't become readers for several years, they begin to develop the necessary skills for reading and writing at birth. The **first three years** of life are important ones in developing the language foundations that will lead to reading.

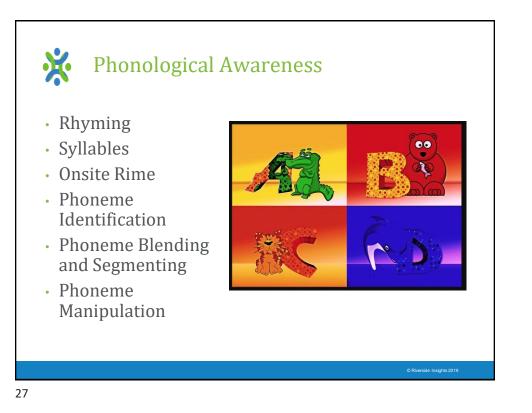


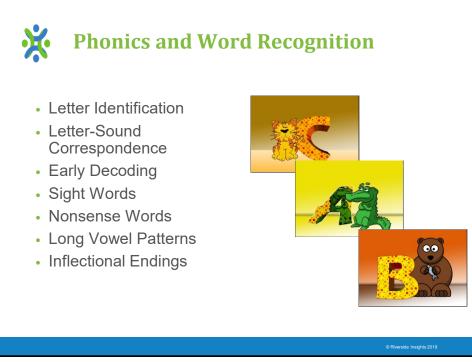
Literacy Domain • Print Concepts Phonological Awareness Rhyming • Syllables • Onset Rime • Phoneme Identification • Phoneme Blending & Segmenting • Phoneme Manipulation • Phonics and Word Recognition • Letter Identification • Letter Sound Correspondence • Early Decoding • Sight Words • Nonsense Words Long Vowel Patterns • Inflectional Endings • Listening Comprehension Fluency

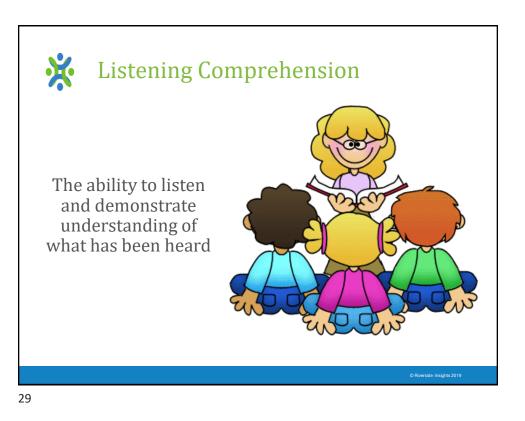


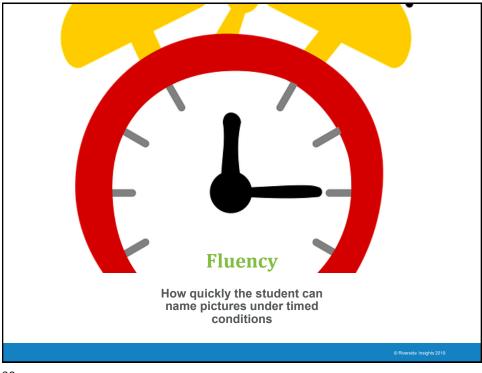
- First step in literacy development; an understanding of basic concepts of print is essential for the child to move forward as a reader.
- Understanding the features of standard English print through the analysis of a picture book
- The child is given a picture book and asked to identify elements such as the title, the first page, specific text on the page, and the direction in which the text should be read.
- The child is asked to follow along in the text as the examiner reads it and to identify individual sentences and punctuation marks.



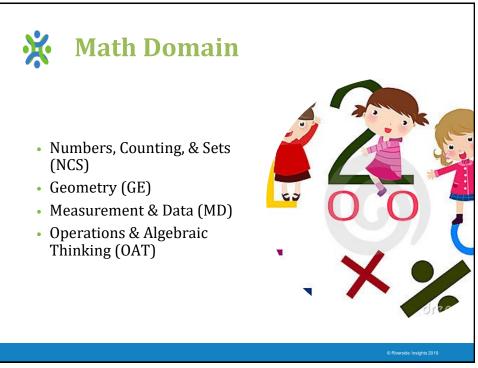


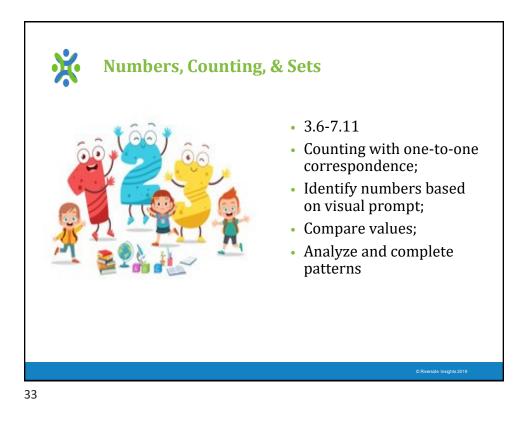


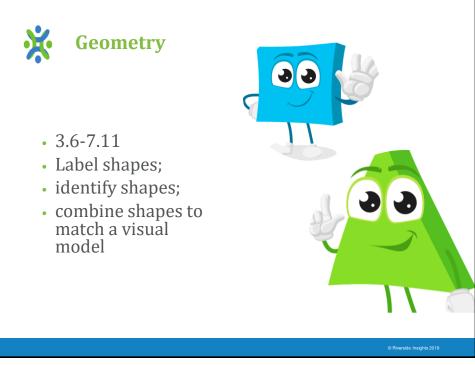


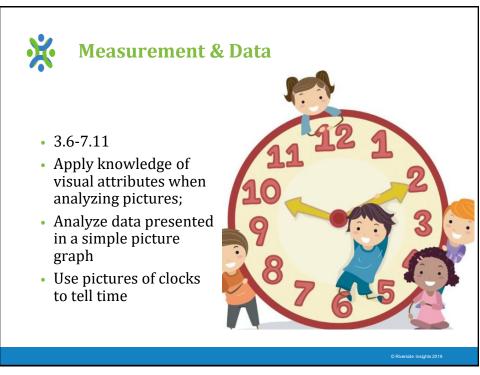


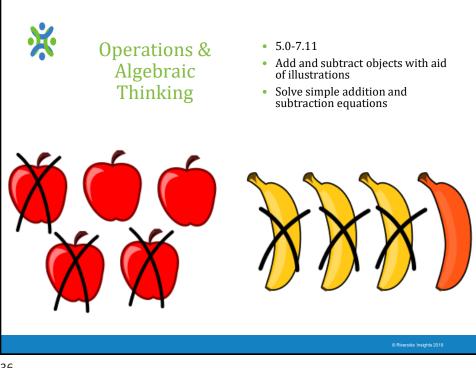










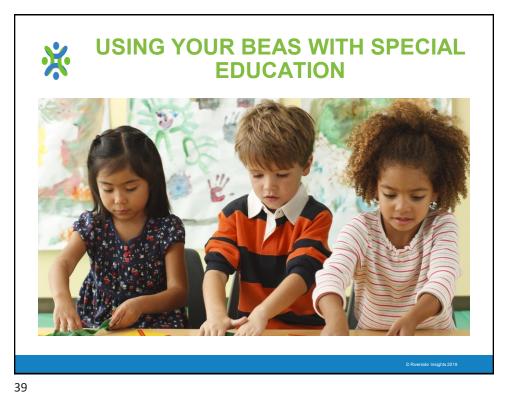


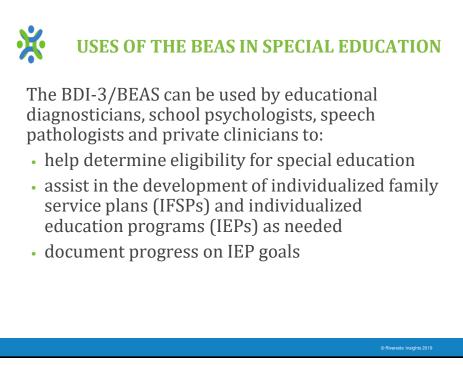
	Adams, Mallory		DOB: 05/08/2015				Score Report		
	Table of So	cores	On Tra	ck	Monitor	Sup	port	Not Applicable	
elle	Domain: Subdomain	Examiner	Test Date	RS	Scaled Score	Standard Score	Percentile Rank	Performance Level	
V	Literacy					84	14	SUPPORT	
	Print Concepts	Demo Examiner	08/31/2020	4	7		16	SUPPORT	
nic	Phonological Awareness				10		50	ON TRACK	
	Rhyming	Demo Examiner	08/31/2020	6				ON TRACK	
	Syllables	Demo Examiner	08/31/2020	4				MONITOR	
	Onset Rime	Demo Examiner	08/31/2020	6				ON TRACK	
	Phoneme Identification	Demo Examiner	08/31/2020	2				MONITOR	
	Phoneme Blending and Segmenting	Demo Examiner	08/31/2020	4				ON TRACK	
	Phonics and Word Recognition				10		50	ON TRACK	
	Letter Identification	Demo Examiner	08/31/2020	32				MONITOR	
acy	Letter-Sound Correspondence	Demo Examiner	08/31/2020	4				MONITOR	
	Early Decoding	Demo Examiner	08/31/2020	4				MONITOR	
	Sight Words	Demo Examiner	08/31/2020	4				ON TRACK	
	Listening Comprehension	Demo Examiner	08/31/2020	3	7		16	SUPPORT	
	Fluency	Demo Examiner	08/31/2020	11	5		5	SUPPORT	

*

Battelle Early Academic Survey Sample Reports Table of Scores- Math

Table of S	cores	On Tra	ck	Monitor	Sup	port	Not Applicat
Domain: Subdomain	Examiner	Test Date	RS	Scaled Score	Standard Score	Percentile Rank	Performan Level
Mathematics					\$3	32	MONITOR
Numbers, Counting, and Sets	Demo Examiner	08/31/2020	13	9		37	MONITOR
Geometry	Demo Examiner	08/31/2020	5	8		25	MONITOR
Measurement and Data	Demo Examiner	08/31/2020	3	7		16	SUPPORT
Operations and Algebraic Thinking	Demo Examiner	08/31/2020	5	14		91	ON TRACK
	res that fall below the 254 ficates scores falling at th			cores falling with	in the 25#-49#		





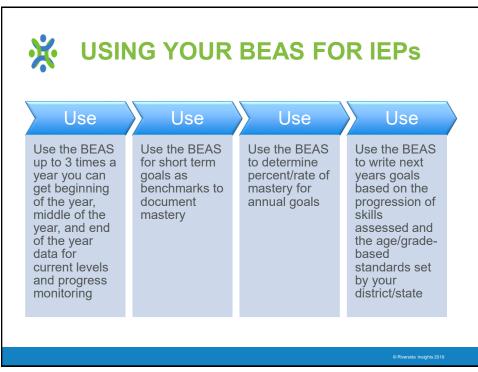
MEASURE EARLY ACADEMIC SKILLS OF STUDENTS WITH DEVELOPMENTAL DELAYS

•The BEAS can be used for early academic skills beginning at 3 years 6 months. This is an earlier measure that can be used to measure the academic levels of children with a variety of developmental delays:

- Autism
- Cognitive Delay
- Motor Delay
- Speech and Language Delay
- Noncategorical





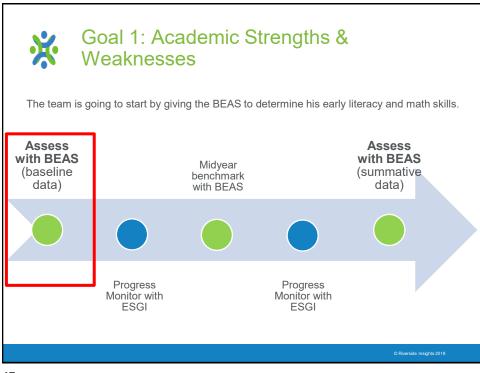




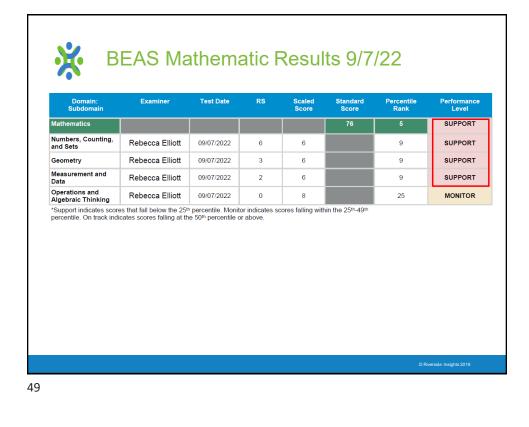
Meet Christopher Robin

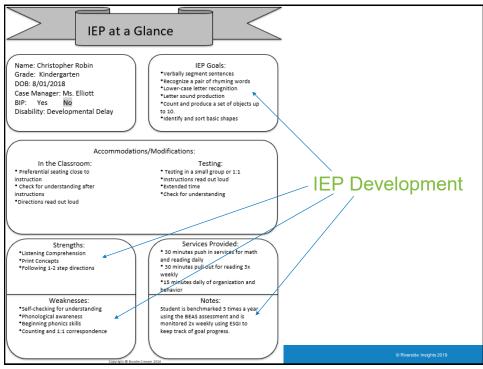
- · Five years old
- Fall Starting Kindergarten
- Identified with a Developmental Delay
 in Preschool
- Is starting Kindergarten with an IEP
- · His kindergarten team has two goals
 - 1. Determine academic strengths and weaknesses to adjust IEP goals at upcoming Kindergarten transition meeting
 - 2. Pinpoint a tool progress monitor his goals between benchmarking

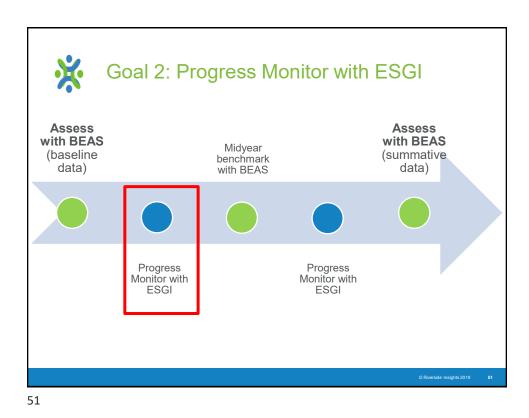




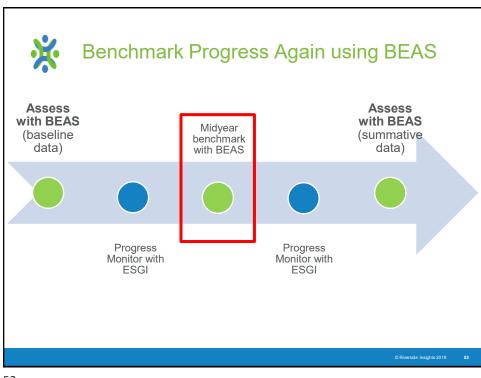
🔆 BI	EAS Lite	ласу	1.030		1122		
Domain: Subdomain	Examiner	Test Date	RS	Scaled Score	Standard Score	Percentile Rank	Performance Level
Literacy					78	7	SUPPORT
Print Concepts	Rebecca Elliott	09/07/2022	4	8		25	MONITOR
Phonological Awareness				5		5	SUPPORT
Rhyming	Rebecca Elliott	09/07/2022	0				SUPPORT
Syllables	Rebecca Elliott	09/07/2022	0				SUPPORT
Onset Rime	Rebecca Elliott	09/07/2022	0				MONITOR
Phoneme Identification	Rebecca Elliott	09/07/2022	0				SUPPORT
Phoneme Blending and Segmenting	Rebecca Elliott	09/07/2022	0				MONITOR
Phonics and Word Recognition				7		16	SUPPORT
Letter Identification	Rebecca Elliott	09/07/2022	9				MONITOR
Letter-Sound Correspondence	Rebecca Elliott	09/07/2022	0				SUPPORT
Early Decoding	Rebecca Elliott	09/07/2022	0				SUPPORT
Sight Words	Rebecca Elliott	09/07/2022	0				ON TRACK
Listening Comprehension	Rebecca Elliott	09/07/2022	3	8		25	MONITOR
Fluency	Rebecca Elliott	09/07/2022	13	6		9	SUPPORT







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	//idyear	BEAS	Litera	acy F	esults	5	
Domain: Subdomain	Examiner	Test Date	RS	Scaled Score	Standard Score	Percentile Rank	Performance Level
Literacy							
Print Concepts	Rebecca Elliott	01/26/2023	6	9		37	MONITOR
Phonological Awareness							
Rhyming	Rebecca Elliott	01/26/2023	1				SUPPORT
Syllables	Rebecca Elliott	01/26/2023	1				SUPPORT
Onset Rime	Rebecca Elliott	01/26/2023	2				MONITOR
Phoneme Blending and Segmenting	Rebecca Elliott	01/26/2023	1				MONITOR
Phonics and Word Recognition				8		25	MONITOR
Letter Identification	Rebecca Elliott	01/26/2023	26				MONITOR
Letter-Sound Correspondence	Rebecca Elliott	01/26/2023	3				MONITOR
Early Decoding	Rebecca Elliott	01/26/2023	2				MONITOR
Sight Words	Rebecca Elliott	01/26/2023	1				ON TRACK
Listening Comprehension	Rebecca Elliott	01/26/2023	6	9		37	MONITOR
Fluency	Rebecca Elliott	01/26/2023	16	6		9	SUPPORT
						© Riversi	de Insights 2019 54

Midyear BEAS Math Results

Domain: Subdomain	Examiner	Test Date	RS	Scaled Score	Standard Score	Percentile Rank	Performance Level
Mathematics					76	5	SUPPORT
Numbers, Counting, and Sets	Rebecca Elliott	09/07/2022	6	6		9	SUPPORT
Geometry	Rebecca Elliott	09/07/2022	3	6		9	SUPPORT
Measurement and Data	Rebecca Elliott	09/07/2022	2	6		9	SUPPORT
Operations and Algebraic Thinking	Rebecca Elliott	09/07/2022	0	8		25	MONITOR

 Algebraic Thinking
 Rebecca Elliott
 09/07/2022
 0
 8

 "Support indicates scores that fall below the 25th percentile. Monitor indicates scores falling within the 25th-49th percentile. On track indicates scores falling at the 50th percentile or above.
 0
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Domain: Subdomain	Examiner	Test Date	RS	Scaled Score	Standard Score	Percentile Rank	Performance Level
Mathematics					82	12	SUPPORT
Numbers, Counting, and Sets	Rebecca Elliott	01/26/2023	10	7		16	SUPPORT
Geometry	Rebecca Elliott	01/26/2023	4	7		16	SUPPORT
Measurement and Data	Rebecca Elliott	01/26/2023	3	7		16	SUPPORT
Operations and Algebraic Thinking	Rebecca Elliott	01/26/2023	1	9		37	MONITOR

*Support indicates scores that fall below the 25th percentile. Monitor indicates scores falling within the 25th-49th percentile. On track indicates scores falling at the 50th percentile or above.

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