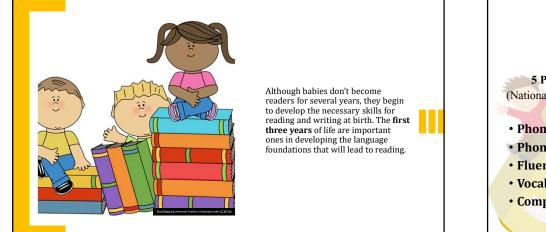


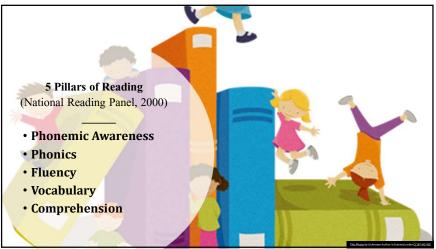


## How Can the BEAS be Used in the Schools?

- Academic Screenings in General Education
  - Early Literacy Skills (Dyslexia)
    Early Math Skills
- Transitioning Into Kindergarten
- Pre- and Post-Intervention Assessment (RTI)
  - Benchmarking Progress
- Special Education
  - Measure Impact of Developmental Delays
  - Development of IEP Goals
  - Documenting Progress on IEP goals







#### Phonemic Awareness & Phonological Awareness

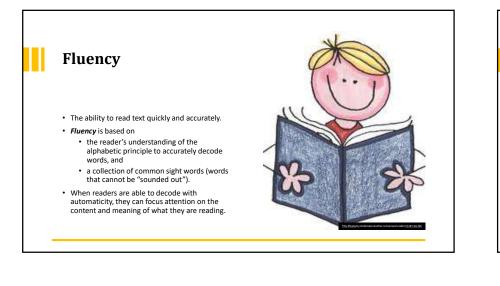
- Phonemic awareness, the ability to identify the smallest units of sound in the English language, has been shown to be a very powerful predictor of later reading achievement (<u>Juel, 1988</u>). Phonemic awareness is closely associated with phonological awareness - manipulating and substituting phonemes.
- Phonemic awareness: cup = /c/ /u/ /p/
- **Phonological awareness:** "what is the last sound in cup?" /p/ "Change the last sound to /t/. Now what is the new word?" Cut
- Phonemic awareness applies only to verbal speech but provides the foundation for the next instructional step of associating individual sounds with written letters, commonly known as phonics.

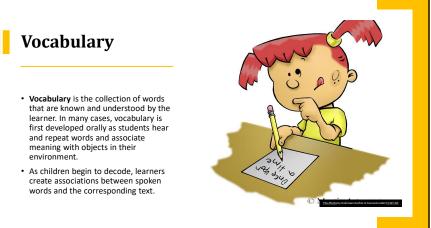


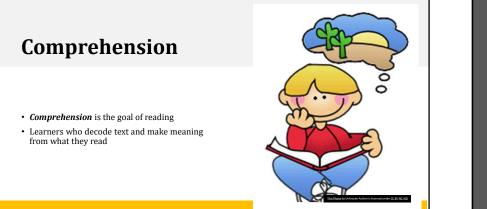
## Phonics

- **Phonics** is the ability for learners to decode the words they read and to spell the words they write.
- Phonics provides the explicit connection between individual sounds (phonemes) and letters (graphemes) and an understanding of the alphabetic principle, the predictable and systematic relationships that can be used to recognize, read, and spell words. Phonics is especially important for beginning readers and English language learners.















#### Four Types of Readers

Impaired decoding, but typical listening comprehension (specific reading disability/dyslexia)

Impaired listening comprehension, but typical decoding (language impairment)

Impaired decoding and listening comprehension (specific reading disability/reading comprehension)

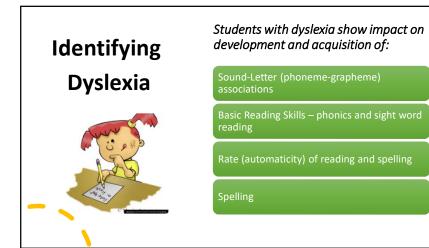
Typical decoding and listening comprehension (no disability)

## Identifying Dyslexia: Typical Listening Comprehension Skills

Students with dyslexia typically have adequate higher level language skills, including being able to understand an age-appropriate story and spoken directions, to carry on a conversation, and to understand and use words that are age appropriate. If a student has average higherlevel oral language skills but difficulty developing written language (reading and spelling) skills, the need for evaluation for dyslexia is recommended.

International Dyslexia Association





### Importance of Dyslexia Screeners

- Early identification of students with dyslexia and the implementation of early intervention programs for these students have a significant impact on their future academic success.
- According to Hall and Moats (1999):
  - Early identification is critical because the earlier the intervention, the easier it is to remediate.
  - Inexpensive screening measures identify at-risk students in mid-kindergarten with 85% accuracy.
  - If intervention is not provided before the age of 8, the probability of reading difficulties continue into high school is 75% (pp. 279-280).



### Research Supporting Dyslexia Screeners

- The rapid growth of the brain and its responsiveness to instruction in the primary years make the time from birth to 8 a critical period for literacy development (Nevills & Wolfe, 2009).
- Characteristics associated with reading difficulties are connected to spoken language.
- Difficulties in young children can be assessed through screenings of phonemic awareness and other phonological skills (Sousa, 2005).
- Eden (2015) points out "when appropriate intervention is applied early, it is not only more effective in younger children, but also increases the chances of sparing a child from the negative secondary consequences associated with reading failure, such as decline in self-confidence and depression."



#### **Criteria for Dyslexia Screening Instruments** Kindergarten **First Grade** Phonological Awareness • Phonological Awareness Phonemic Awareness Phonemic Awareness Sound-Symbol Recognition • Sound-Symbol Recognition Letter Knowledge • Letter Knowledge **Decoding Skills** Decoding Skills Spelling • Spelling Listening Comprehension • Reading Rate Reading Accuracy

Listening Comprehension

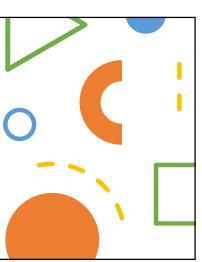
## Sources & Examples of Screening Data

| Quantitative Information   | Qualitative Information   |
|--|---|
| Results of   | Observations of student during screening  |
| <ul><li>Current screening instruments</li><li>Previous screening instruments</li></ul>   | <ul><li>Other observations of student progress</li><li>Teacher observations</li></ul>   |
| <ul> <li>Formal &amp; Informal classroom reading assessments</li> <li>Additional brief and targeted skill assessments</li> </ul> | <ul> <li>Parent/guardian input (e.g., family<br/>history, early language skills)</li> <li>Current student work samples</li> <li>Work samples from earlier grade(s)</li> <li>Intervention history</li> </ul> |



## Transitioning into Kindergarten

- The BEAS is a great measure for kindergarten teachers to administer at the beginning of the school year to obtain data on students' early literacy and mathematics skills.
- Data can be used to plan instruction
- Benchmarking throughout the school year





|      | BEAS - Ages 3-6 to 7-11   | L |
|------|---|---|
| 2    | Literacy Domain   |   |
| しまとう | <ul> <li>Print Concepts</li> <li>Phonological Awareness</li> <li>Rhyming</li> <li>Syllables</li> <li>Onset Rime</li> <li>Phoneme Identification</li> <li>Phoneme Identification</li> <li>Phoneme Manipulation</li> <li>Phonics and Word Recognition</li> <li>Letter Identification</li> <li>Letter Identification</li> <li>Letter Sound Correspondence</li> <li>Early Decoding</li> <li>Sight Words</li> <li>Nonsense Words</li> <li>Long Vowel Patterns</li> <li>Inflectional Endings</li> </ul> |   |
|      | • Fluency   |   |

| Pr                          | int Concepts (PC)                     | Demonstrate an understanding of basic print concepts while<br>looking at a book   |  |  |  |
|-----------------------------|---------------------------------------|---|--|--|--|
| PHONOLOGICAL AWARENESS (PA) |                                       |   |  |  |  |
| •                           | Rhyming (RH)                          | Identify rhyming and nonrhyming words   |  |  |  |
| •                           | Syllables (SY)                        | Break words into syllables; blend syllables to create words   |  |  |  |
| •                           | Onset Rime (OR)                       | Identify initial sounds in words; blend initial sounds with word parts to<br>create whole words   |  |  |  |
| •                           | Phoneme Identification (PhID)         | Identify phonemes in initial, medial, and ending positions within words   |  |  |  |
| •                           | Phoneme Blending and Segmenting (PBS) | Blend individual phonemes to create words; break words into individual phonemes   |  |  |  |
| •                           | Phoneme Manipulation (PhM)            | Add and remove phonemes in the initial and ending positions in words;<br>substitute phonemes in the initial, medial, and ending position to create<br>new words |  |  |  |

| Letter Identification (LI)        | Identify uppercase and lowercase letters presented visually                                |  |
|-----------------------------------|--|--|
| Letter-Sound Correspondence (LSC) | Produce sounds corresponding to letters presented visually                                 |  |
| Early Decoding (ED)               | Match pictures with consonant-vowel-consonant words  |  |
| Sight Words (SW)                  | Read sight words aloud   |  |
| Nonsense Words (NW)               | Apply phonetic decoding skills to read nonsense words                                      |  |
| Long Vowel Patterns (LVP)         | Apply knowledge of long and short vowel patterns to match pictures with words              |  |
| Inflectional Endings (IE)         | Identify the correct word in a series based on an understanding of inflectional<br>endings |  |
| LISTENING COMPREHENSION (LC)      | Answer questions pertaining to short passages and stories presented orally                 |  |
| FLUENCY (FLU)                     | Correctly name pictures of familiar objects under a timed condition                        |  |

## **Print Concepts**

- 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.



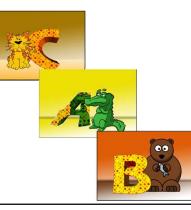
# <u>Phonological</u> <u>Awareness</u>

- Rhyming
- Syllables
- Onsite Rime
- Phoneme Identification
- Phoneme Blending and Segmenting
- Phoneme Manipulation

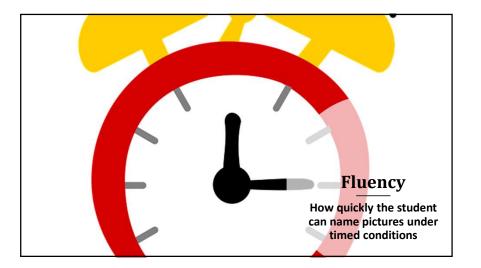


#### **Phonics and Word Recognition**

- Letter Identification
- Letter-Sound Correspondence
- Early Decoding
- Sight Words
- Nonsense Words
- Long Vowel Patterns
- Inflectional Endings









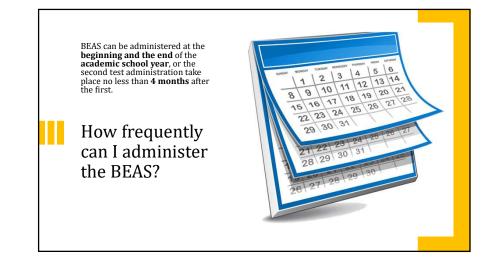


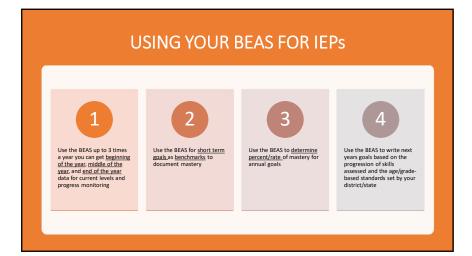
## **Early Literacy Performance - Susie**

| Domain:<br>Subdomain               | Examiner           | Test Date  |    | Scoled | Standard | Rank | Performance |
|------------------------------------|--------------------|------------|----|--------|----------|------|-------------|
|                                    |                    | 1          |    |        | 77       | •    | SUPPORT     |
| Print Concepts                     | Jacqueline Kilburn | 10/05/2020 | 3  | 5      |          | 5    | SUPPORT     |
| Phonological<br>Awareness          |                    |            |    | 10     |          | 50   | ON TRACK    |
| Rhyming                            | Jacqueline Kilburn | 10/05/2020 | 2  |        |          |      | MONITOR     |
| Syllables                          | Jacqueline Kilburn | 10/05/2020 | 1  |        |          |      | MONITOR     |
| Onset Rime                         | Jacqueline Kilburn | 10/05/2020 | з  |        |          |      | ON TRACK    |
| Phoneme<br>Identification          | Jacqueline Kilburn | 10/05/2020 | 2  |        |          |      | ON TRACK    |
| Phoneme Blending<br>and Segmenting | Jacqueline Kilburn | 10/05/2020 | 0  |        |          |      | ON TRACK    |
| Phonics and Word<br>Recognition    |                    |            |    | 8      |          | 25   | MONITOR     |
| Letter Identification              | Jacqueline Kilburn | 10/02/2020 | -4 |        |          |      | MONITOR     |
| Letter-Sound<br>Correspondence     | Jacqueline Kilburn | 10/02/2020 |    |        |          |      | MONITOR     |
| Early Decoding                     | Jacqueline Kilburn | 10/02/2020 | 2  |        |          |      | MONITOR     |
| Listening<br>Comprehension         | Jacqueline Kilburn | 10/02/2020 | 2  | 8      |          | 25   | MONITOR     |
| Fluency                            | Jacqueline Kilburn | 10/02/2020 | 5  | 5      |          | 5    | SUPPORT     |

| Domain:<br>Subdomain            |             |            |    | Scaled<br>Score | Standard<br>Score | Percentile<br>Rank | Performance<br>Level |
|---------------------------------|-------------|------------|----|-----------------|-------------------|--------------------|----------------------|
|                                 |             |            |    |                 | 78                |                    | SUPPORT              |
| Print Concepts                  | maggie camp | 03/31/2021 | 5  | 7               |                   | 16                 | SUPPORT              |
| Phonological Awareness          |             |            |    | 5               |                   | 5                  | SUPPORT              |
| Rhyming                         | maggie camp | 03/31/2021 | 2  |                 |                   |                    | SUPPORT              |
| Syllables                       | maggie camp | 03/31/2021 | 0  |                 |                   |                    | SUPPORT              |
| Onset Rime                      | maggie camp | 03/31/2021 | 3  |                 |                   |                    | MONITOR              |
| Phoneme Identification          | maggie camp | 03/31/2021 | 2  |                 |                   |                    | MONITOR              |
| Phoneme Blending and Segmenting | maggie camp | 03/31/2021 | 0  |                 |                   |                    | SUPPORT              |
| Phonics and Word Recognition    |             |            |    | 7               |                   | 16                 | SUPPORT              |
| Letter Identification           | maggie camp | 03/31/2021 | 20 |                 |                   |                    | SUPPORT              |
| Letter-Sound Correspondence     | maggie camp | 03/31/2021 | 3  |                 |                   |                    | SUPPORT              |
| Early Decoding                  | maggie camp | 03/31/2021 | 2  |                 |                   |                    | SUPPORT              |
| Sight Words                     | maggie camp | 03/31/2021 | 0  |                 |                   |                    | MONITOR              |
| Listening Comprehension         | maggie camp | 03/31/2021 | 9  | 11              |                   | 63                 | ON TRACK             |
| Fluency                         | maggie camp | 03/31/2021 | 9  | 4               |                   | 2                  | SUPPORT              |

#### Farly Literacy Dorformance C---0 10 0 0 1





## **Summary**

- Early literacy skills are critical for ensuring children become strong readers
- The BEAS Literacy Domain is an excellent measure to assess those pertinent foundational skills necessary to become a successful reader
- The BEAS Literacy Domain can be used to screen for dyslexia to identify children ages 3-6 to 7-11 who may be at risk for reading difficulties
- When used with the BDI-3, a comprehensive assessment of young children's developmental and early academic skills can be assessed.