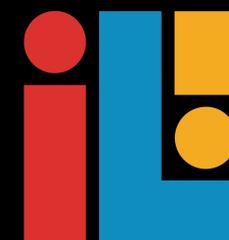




Planning for Learning:

Based on the Science of Reading

Tina Patterson, National Curriculum Expert



imagine
learning



Famous Americans

African American



Where are you
on your *Science
of Reading*
journey?

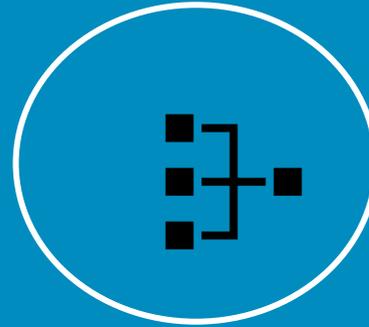
The Science of Reading is...



**Scientificallly-based
Research**



Brain Research

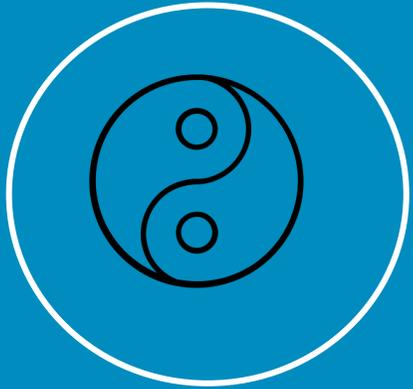


**Systematic
Instruction**

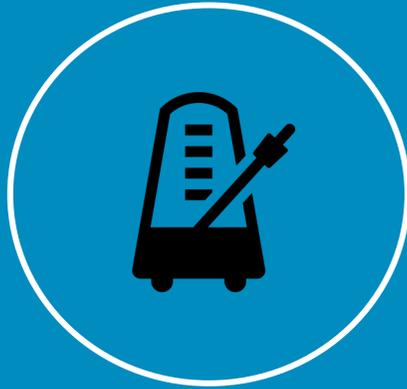


**Explicit
Instruction**

The Science of Reading is NOT.....



Philosophy



Pendulum Swing



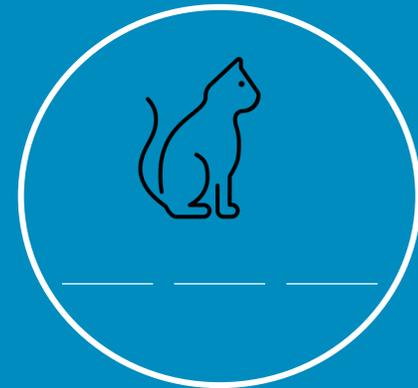
Set of Standards



One-size-fits-all



A program of instruction



Single component of instruction



**Stages of Reading
Development**
The Emergent Pre-Reader

What Are the Fives Stages of Reading Development:
www.theedadvocate.org



Stages of Reading Development

The Novice Reader

A young girl with dark hair pulled back into a bun with a large red bow is shown in profile, looking intently at a tablet computer. The background is a blurred bookshelf. A large, semi-transparent white circle is overlaid on the right side of the image, containing the title text.

Stages of Reading Development

The Decoding Reader



**Stages of Reading
Development**
The Fluent Reader

What Are the Fives Stages of Reading Development:
www.theedadvocate.org



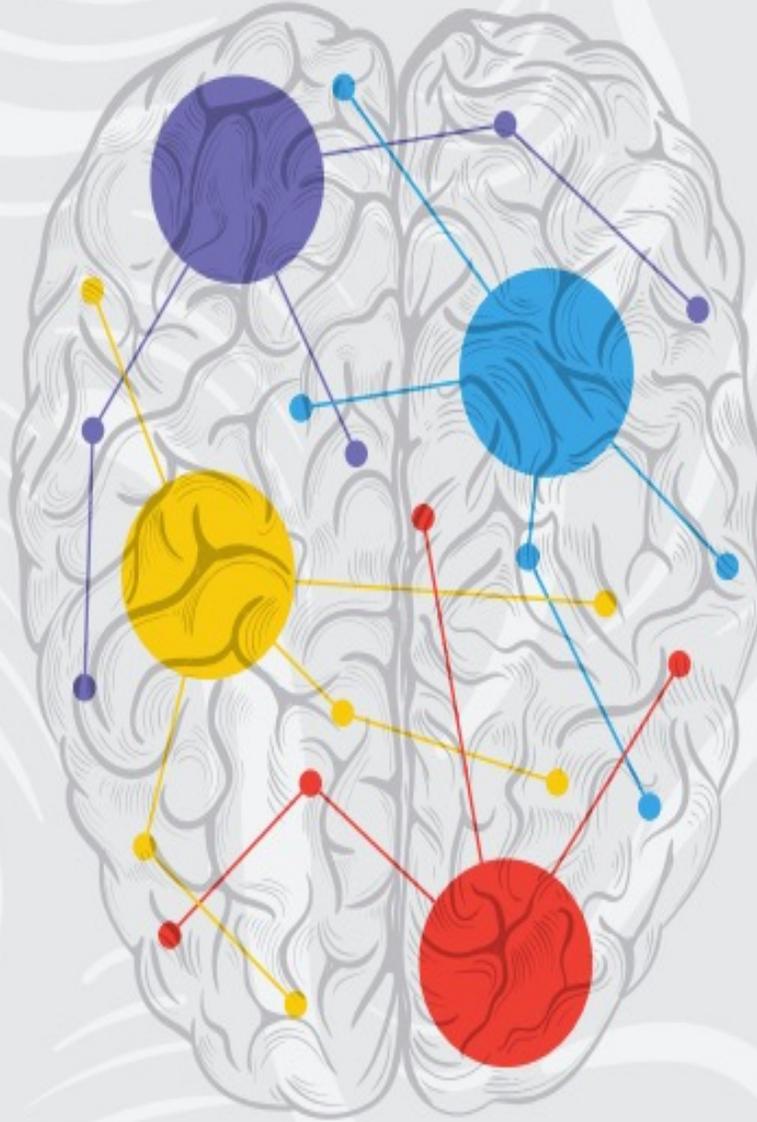
**Stages of Reading
Development**
The Expert Reader

What Are the Fives Stages of Reading Development:
www.theedadvocate.org



*What does the
research tell us?*

How Reading Works *in the Brain*



- **Visual Cortex**
- **Auditory Cortex**
- **Angular Gyrus**
- **Frontal Lobe**

The Simple View of Reading

D x L = RC

Word recognition.
The ability to
instantly recognize a word.

Language Comprehension.
The ability to understand
language structures.

Reading Comprehension.
The ability to make meaning
of connected text

The Science Supports *Instructional Practices for Word Recognition*

- Phonemic Awareness
- Phonics
- Fluency

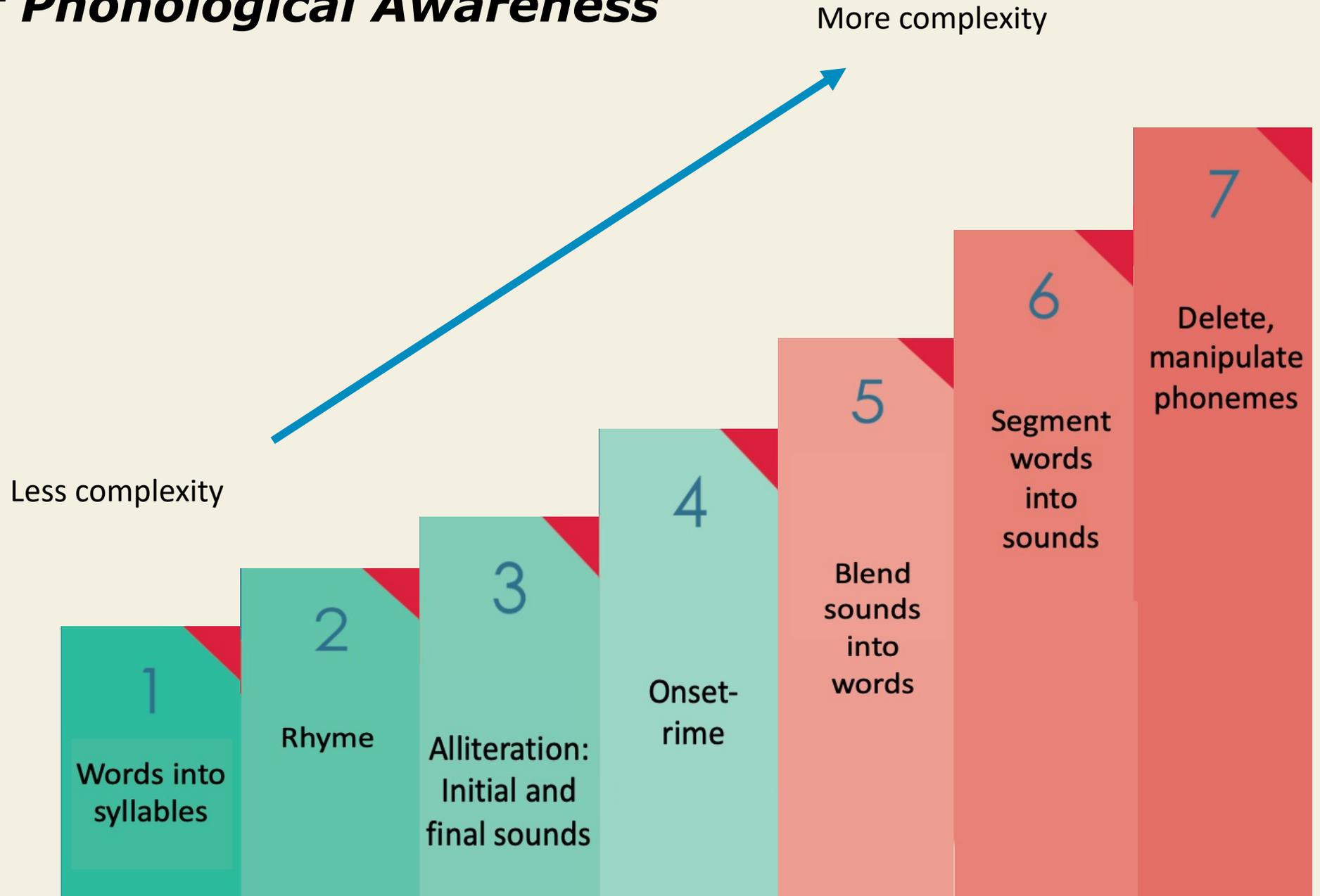


How to Teach

Systematic: A feature of time

- Connected series of lesson plans over time
- Moves from explicit to implicit over time
- Set of instructional routines from simple to complex
- Cumulative review

Sequence of Phonological Awareness



How to Teach

Systematic: A feature of time

- Connected series of lesson plans over time
- Moves from explicit to implicit over time
- Set of instructional routines from simple to complex
- Cumulative review

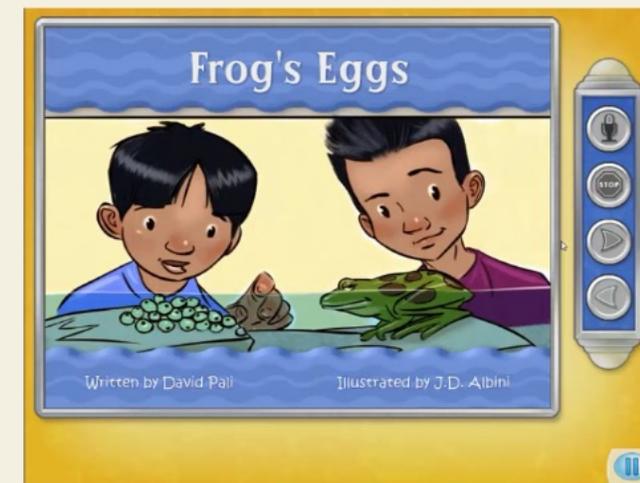
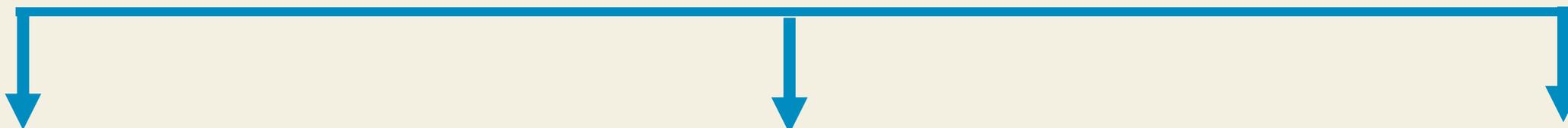
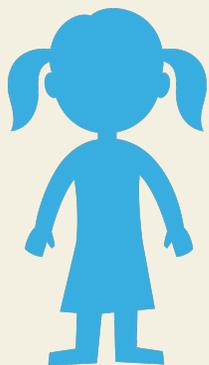
Explicit How instruction is delivered

- New skills/concepts introduced in direct manner: "I do, we do, you do"
- Teacher carefully controls use of language
- Corrective feedback procedures

Phonological Awareness *Phoneme Segmentation*



Instructional Practices: *Word Recognition*



Frog's Eggs



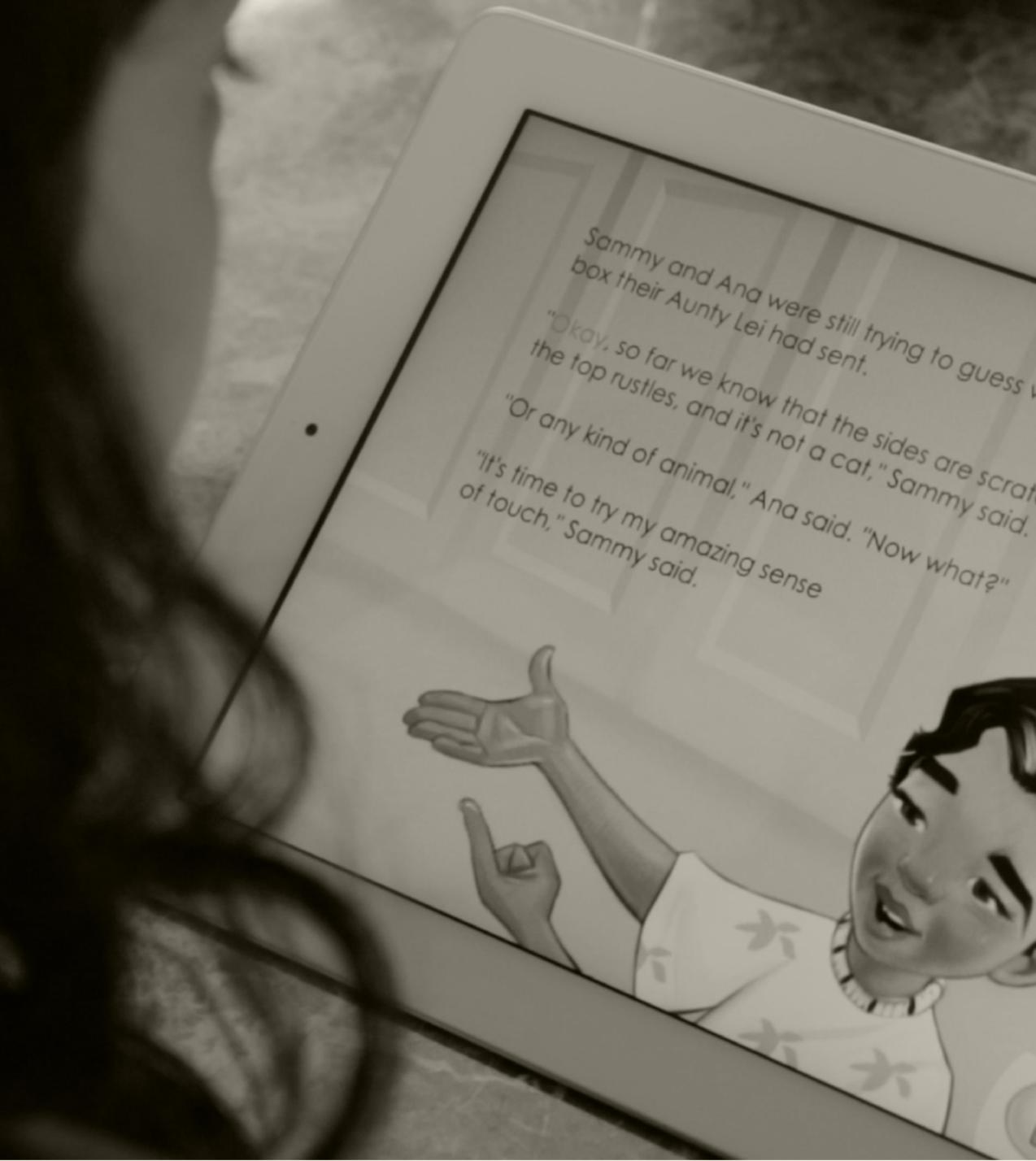
Written by David Pali

Illustrated by J.D. Albini



The Science Supports *Instructional Practices for Language Comprehension*

- Background Knowledge
- Vocabulary
- Language Structures



Sammy and Ana were still trying to guess what box their Aunty Lei had sent.

"Okay, so far we know that the sides are scratchy, the top rustles, and it's not a cat," Sammy said.

"Or any kind of animal," Ana said. "Now what?"

"It's time to try my amazing sense of touch," Sammy said.

- Read Alongs
- Emergent Texts
- Beginning Books
- Transitional Texts
- Leveled Text
- AP Articles

NEWSBREAK

Mitchell, her WNBA idol Staley lead Gamecocks to Final Four

PETE IACOBELLI, AP Sports Writer
April 2, 2015

COLUMBIA, S.C. (AP) — Growing up in Charlotte, North Carolina, Tiffany Mitchell and her family would attend the WNBA Charlotte Sting basketball games whenever they could. Mitchell loved to watch her favorite player, Dawn Staley. Staley became her idol.

Mitchell had tried and given up on many youth sports before she started to play basketball. She was the only girl on an all-boys team. She quickly outshined most players and became a standout on the court. She had talent, loved basketball and worked hard in high school.

In her junior year, Mitchell's hard work paid off. She was named player of the year in 2012. Then she began to receive letters recruiting her to play college basketball, including one from her idol, Dawn Staley.

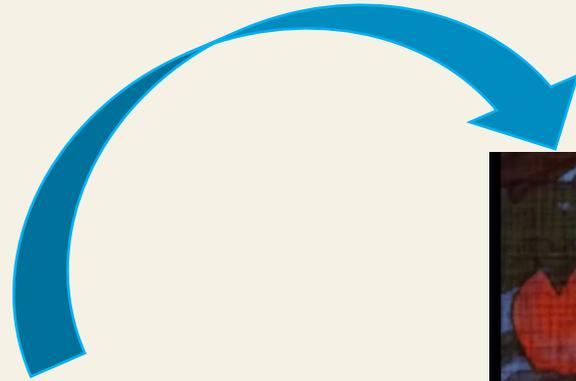
Staley is now the coach for the University of South Carolina's basketball team, the Gamecocks. At first the coach was unsure how the quiet Mitchell would fit in at college, but Staley liked what she saw.

Choose the main idea of this article.

- Dawn Staley won many awards for her performance in the WNBA.
- It is very difficult to get on the basketball team at the University of South Carolina.
- Tiffany Mitchell became a basketball star, just like her idol.
- The University of South Carolina is the only school that writes recruiting letters.

Navigation icons: pause, volume, and next.

STRENGTHENING COMPREHENSION *through meaningful connections*



scientist

definition matching sentence

swim	experiment	
understand	sing	

base word	suffix	new word
fame	less	famous
danger	ful	
nerve	ous	
poison	ist	
weight		
end		
fear		
science		
piano		

scient ist

SIR ISAAC NEWTON
WRITTEN BY RAYMOND LAMBORN
ILLUSTRATED BY JIM MADSEN

ated by Maryn Roos

Navigation icons: pause, back, forward, refresh, and a progress bar.

LANGUAGE DEVELOPMENT: *Instruction includes grammar, syntax, and language strategies*



Reconstruct [Review](#)

Reconstruct the Power Sentence

It to traditional locations or traditional materials. doesn't have to be in a frame
or in a museum, and it isn't limited

[Reset](#)

?

The Science Supports

Learners with Linguistic Differences

"Both English literacy and English oral language proficiency must be priorities if these students are to have adequate and equitable opportunities for success in school and beyond"

Goldenberg, 2020:

<https://bit.ly/Goldenberg2020RdgWarsRdgScienceEngLearners>



DEVELOP *the five components of reading*

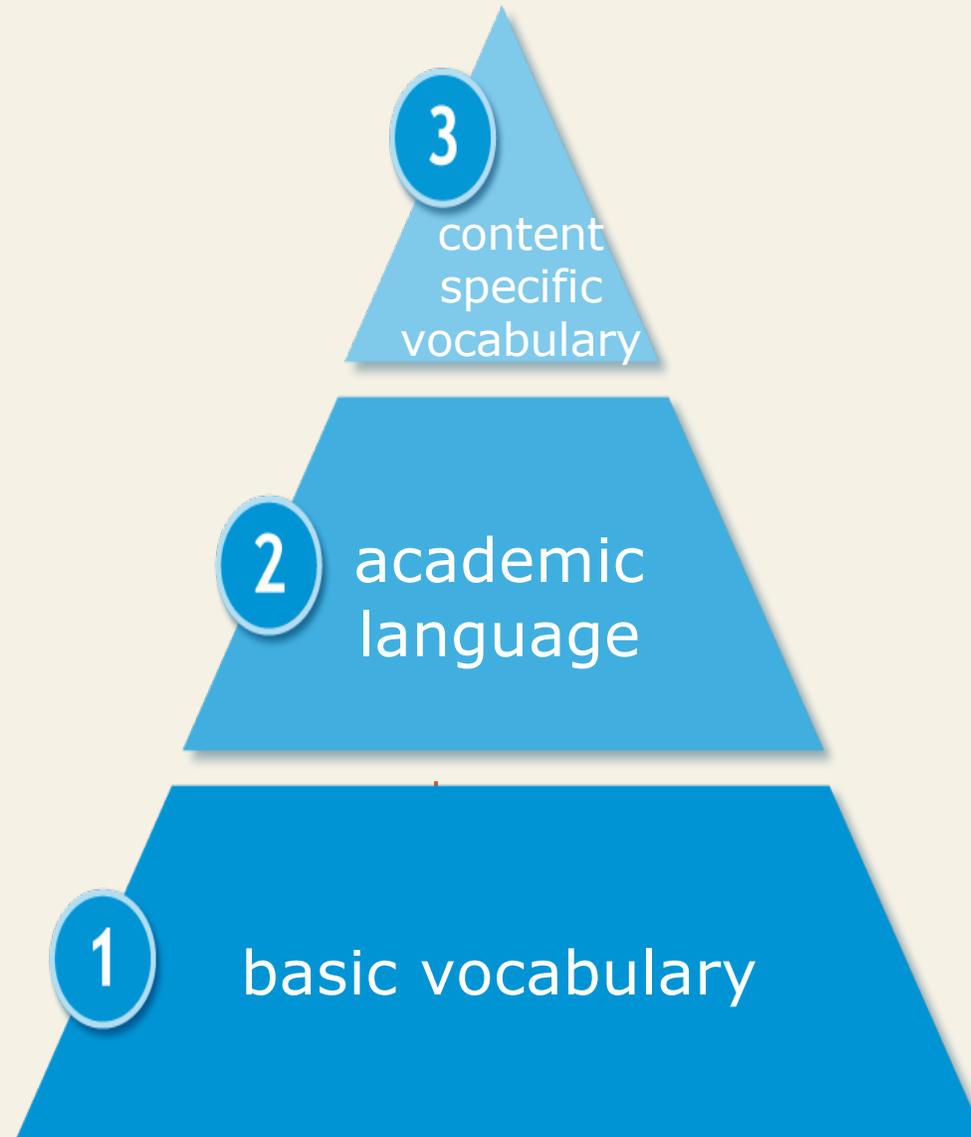


PROVIDE SCAFFOLDS: *develop language proficiency*

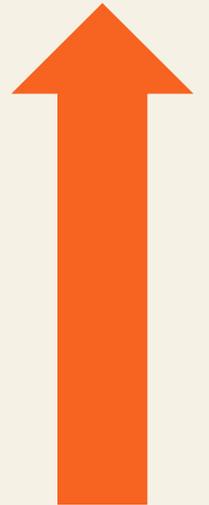
- Spanish
- Portuguese
- Haitian Creole
- Vietnamese
- Mandarin
- Japanese
- Arabic
- Somali
- French
- Korean
- Cantonese
- Hmong
- Tagalog
- Marshallese
- Russian



Provide oral language and vocabulary development



written





We need to buy curriculum soon. Everything is piecemeal and the reviews are bad. What quality curriculum do you recommend based on SoR?

It's best to understand SoR rather than rely on a program.

I don't think there is a "perfect" Tier 1 program.

If you understand SoR, you can see gaps in any program and accommodate or differentiate for your students.



What is your district's method for evaluating curriculum?



Using the science to ground your plan, what are three tangible changes you will resolve to make to your current approach to literacy instruction?

How can we ensure that elementary teachers are well-versed in the scientific research behind the process of learning to read?

What is our strategy for providing teachers the continuous professional development they need to become experts in early literacy?





<https://www.imaginelearning.com>

FOUNDATIONS PAPER

