

AIM Institute for Learning & Research

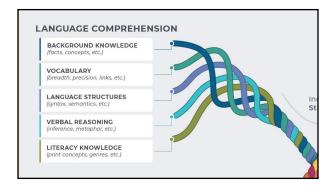
Associate Director: Dawn Brookhart Curriculum and Instructional Designer: Julia Salamone



Virtual Teaching Techniques For Inference

AIM Pathways to Practice Webinar Series

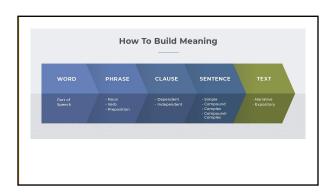




"Comprehension is an INTEGRATIVE process, in which information from different sentences is combined **and** a CONSTRUCTIVE process, in which explicit information in a sentence or sentences is supplemented by knowledge about the world from long-term memory."

- Kate Cain, 2009

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Local coherence inference:

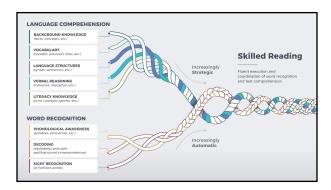
- Primarily integrative in nature
- Integration of ideas at the **surface code** of the text
- Bridging inferences using cohesive devices
- Often automatic

AIM Institute

"In order to construct a mental model of the text, the comprehender needs to integrate information from different sentences to establish local coherence."

- Cain & Oakhill, 2007





LOCAL COHERENCE

Cohesive Devices: the semantic and syntactic links that assist the reader in bridging and integrating information within and between sentences and paragraphs

- Cohesive Ties: take their meaning from another part of sentence or sentences
- Connectives: are words or phrases that signal a logical relationship between the parts of a sentence or between separate sentences and paragraphs

LOCAL COHERENCE

- Pronoun Referents
- Synonyms/Substitutions Repetitions
- Ellipsis
- Connectives (Conjunctions)

The Amazon Rainforest

LOCAL COHERENCE

Example of Pronoun Referents

Another important fact about the Amazon rainforest is its role in storing carbon dioxide for our earth. Since it contains so many trees, which absorb carbon dioxide the way we breathe oxygen, the rainforest is often called the lungs of our planet. And since carbon is a "greenhouse gas" that heats up our atmosphere, the Amazon helps to keep our planet cool by storing carbon in its plants. So, even though the Amazon is far away from many places in the world, it still plays an important role. Unfortunately, many of the amazing plants, animals, and humans in the Amazon are under threat. People are using the Amazon to grow plants for humans, like bananas and sugar cane plants. Others are digging holes in the earth to look for oil or gas reserves, and still, others are cutting down the trees for lumber. To do this, developers are building farms, roads, and factories in areas where rare plants and animals thrive. This is a big problem for several reason.

- The Amazon Rainforest, ReadWorks

LOCAL COHERENCE

Example of Synonyms/Substitutions

Another important fact about the Amazon rainforest is its role in storing carbon dioxide for our earth. Since it contains so many trees, which absorb carbon dioxide the way we breathe oxygen, the rainforest is often called the lungs of our planet. And since carbon is a "greenhouse gas" that heats up our atmosphere, the Amazon helps to keep our planet cool by storing carbon in its plants. So, even though the Amazon is far away from many places in the world, it still plays an important role. Unfortunately, many of the amazing plants, animals, and humans in the Amazon are under threat. People are using the Amazon to grow plants for humans, like banansa and sugar cane plants. Others are digging holes in the earth to look for oil or gas reserves, and still, others are cutting down the trees for lumber. To do this, developers are building farms, roads, and factories in areas where rare plants and animals thrive. This is a big problem for several reason.

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LOCAL COHERENCE

Example of Repetitions

Another important fact about the Amazon rainforest is its role in storing carbon dioxide for our earth. Since it contains so many trees, which absorb carbon dioxide the way we breathe oxygen, the rainforest is often called the lungs of our planet. And since carbon is a "greenhouse gas" that heats up our atmosphere, the Amazon helps to keep our planet cool by storing carbon in its plants. So, even though the Amazon is far away from many places in the world, it still plays an important role. Unfortunately, many of the amazing plants, animals, and humans in the Amazon are under threat. People are using the Amazon to grow plants for humans, like bananas and sugar cane plants. Others are digging holes in the earth to look for oil or gas reserves, and still, others are cutting down the trees for lumber. To do this, developers are building farms, roads, and factories in areas where rare plants and animals thrive. This is a big problem for several reasons.

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LOCAL COHERENCE

Example of Ellipsis

Another important fact about the Amazon rainforest is its role in storing carbon dioxide for our earth. Since it contains so many trees, which absorb carbon dioxide the way we breathe oxygen, the rainforest is often called the lungs of our planet. And since carbon is a "greenhouse gas" that heats up our atmosphere, the Amazon helps to keep our planet cool by storing carbon in its plants. So, even though the Amazon far away from many places in the world, it still plays an important role [in storing carbon dioxide for our Earth]. Unfortunately, many of the amazing plants, animals, and humans in the Amazon are under threat. People are using the Amazon to grow plants for humans, like bananas and sugar cane plants. Others are digging holes in the earth to look for oil or gas reserves, and still, others are cutting down the trees for lumber. To do this, developers are building farms, roads, and factories in areas where rare plants and animals thrive. This is a big problem for several reasons.

- The Amazon Rainforest, ReadWorks

LOCAL COHERENCE

Example of Connectives (Conjunctions)

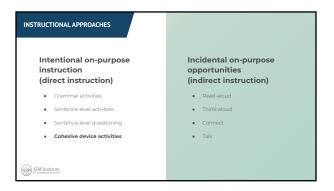
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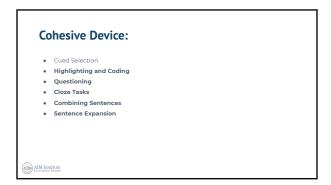
- The Amazon Rainforest, ReadWorks



How Do I Teach It?

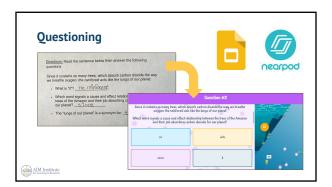
Evidence-based lessons...



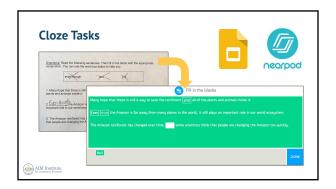




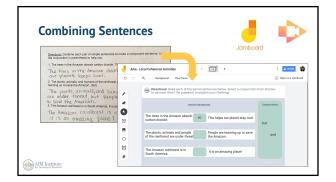


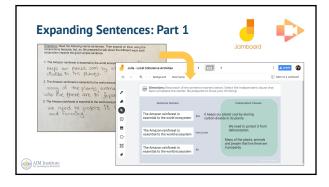


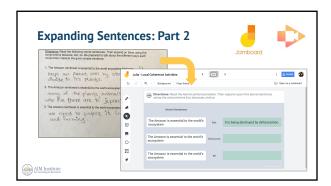


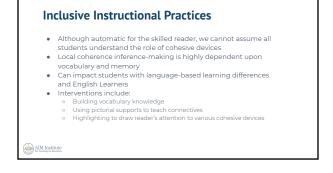












Pathways to **Structured** Literacy

Course Details:

- Learn how to create diagnostic and prescriptive literacy instruction that makes effective use of assessment data in foundational reading and spelling skills Orton-Gillingham based
- Participants have completed the Pathways to Proficient Reading course or foundational SOR course

Pathways to **Structured** Literacy

Practicum Details:

- Student tutoring
 Minimum of 50 student intervention
 - sessions Minimum of 14 Weeks of student
 - contact

 Minimum of 45 Minutes per intervention session

 Pre- and post-assessment sessions

 Formal Observations

- Submission of lesson plans and student work
- 8 10 additional 30-minute coaching conferences with the practicum supervisor to ensure fidelity of implementation
- Maintain a digital Practicum Portfolio



"Learning to read literally rewrites the organization of the brain. Since we are not born to read, in contrast to speaking, instruction of some sort is necessary to engage these regions of the brain."

– Liberman, 1997

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Tactile-Kinesthetic Reinforcement

ondence. There are various ways to accomplish this reinforcement and structured literacy

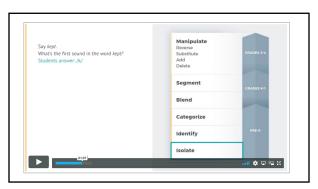
For example, using a flat pain or two fingers, students may write the letterfold a rough surface such as a well or texture that with less ping the letter nameful and the speech sound. Another option would be for the teacher to name the letterfol in the spapemer and the associated sound and then write a large model of it on the board. Then, students say the letterfol of the grapheme as well as the associated sound and use their entire arm to air trace the graphem that has been written on the board.

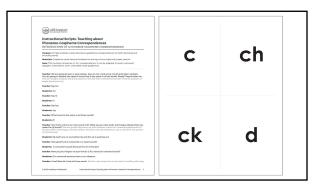
Teachers can also provide the students with a paper that contains the new grapherne and the students can say the letter(s) of the grapherne and the associated sound and they can then use the pointer finger of their writing ha to trace the grapherne at least three times. After that, they can then use a pencil to trace it another three times.

During this type of kinesthetic reinforcement of the sound-symbol correspondence, it is important that the students say the letter(s) of the









Thank you for helping bridge the research to evidence-based practice!

- Look for an email for:
 - recording and templates of today's virtual teaching techniques
 Access to the Experts Series
- O Access to the Experts Series
 Please complete the Coogle form to:
 Ask questions and/or learn more about AIM Pathways
 Receive a Certificate of Attendance

 Act 48 participation code "AIM 10-28-2020"
 Next session November 12, 2020 (700 8:00 PM ET)
 If you enjoyed today's prestation, please tweet and tag @AIMtoLearn and use the hashtag evirtualteachingtechniques

