

- She has a chapter on theory of mind and literacy in children with hearing loss in a book, Promoting Language and Literacy in Children who are Deaf or Hard of Hearing, edited by Mary Pat Moeller

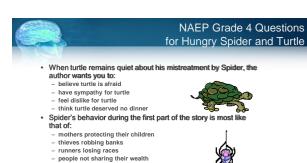
Outline What is an inference

- · Types of inferences
- · Difficulties inferring exhibited by students with language impairments
- · Strategies to promote inferring
 - Activate and build prior knowledge
 - Develop Vocabulary, Morphology & Syntactic Structures
 - Theory of Mind & Syntactic Structures
 - Teaching question types
 - Bringing it together with think-aloud



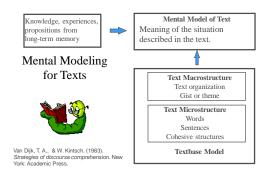


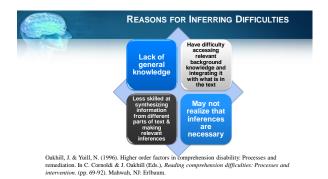
An inference is the information gained from the picture and or text combined with our prior knowledge

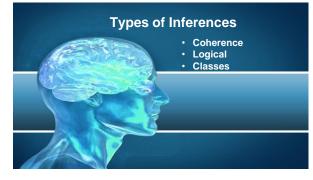




Perfetti, C., (1997). Sentences, individual differences, and multiple texts: Three issues in text comprehension. *Discourse Processes*, 23, 337-355.









	Classification of Inferences: How they make text coherent		
Name	Example	Explanation	
Local inference		Connections in sentences and paragraphs	
Coherence inferences	An old man and an old woman lived in an old cottage. They lived there with their many animals.	Realize that pronouns "they" and "their" refer to old man and old woman	
	"It's time for us to sow the vegetables," said the old woman. They planted peas, carrots, beans, and turnips.	Recognize that "peas, carrots, beans, turnips" refer to "vegetables"	
Antecedent causal inferences	The old man pulled and heaved and tugged and yanked, but the turnip would not move.	Infer that the turnip must be really big, or really far down in the ground.	
Global inference	Inferences about the theme, main point, or moral of a text. Work goes better when many help.	To create a representation of the whole text, the reader infers over-arching ideas by drawing on local pieces of information.	

Logical Inferences

All mammals are warm-blooded and have fur. A tapir is a mammal. Is a tapir warmblooded? Does it have fur?



Inductive

This animal is warm-blooded. It has fur. It feeds its young milk. What kind of animal is





Logical Inferences Deductive Vasilisa does what Baba Yaga

Most witches are evil. Baba Yaga is a witch. She is likely to do bad things and hurt people.





tells her to do. She cleans the house. She prepares good food. Baba Yaga will like her and not hurt her.



Classes of Inferences

- **Anaphoric references:** pronoun/noun-phrase that refers to previous text entity
- Bridging/relational: semantically or conceptually relating sentence to previous content
- **Explanation-based/causal:** explain what is read by a causal chain of previous events and states
- Vasilisa kept it near her.
- First page says humans are Baba Yaga's favorite food. Infer that the bones around Baba Yaga's house are probably human bones
- Baba Yaga's cat and dog help Tasha because Tasha fed them and Baba Yaga did not.

Classes of Inferences · The doll Vasilisa's mother

Goal: infer intentions of agent • The stepmother wants to get

Predictive: forecast what

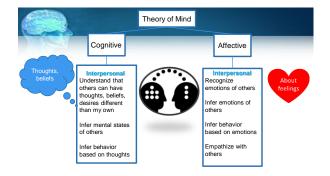
events will unfold

- gave her will keep her safe
- - rid of Vasilisa by sending her to Baba Yaga
- Elaborative: properties and associations that cannot be explained by causal relationships
- Characteristics of Baba Yaga; witch behaviors; uses magic; infer what she might do because she is a witch

Types of inferential processing Intentionality/Mental states How does the girl feel? Why? Why is the snowman melting? What is this person thinking?

Snow, C. (2002). Reading for understanding: Toward an R & D program in reading comprehension. Rand Corporation

Sebastian, C. et al (2012). Neural processing associated with cognitive and affective Theory of Mind in adolescents and adults. Social cognitive and affective neuroscience, 7, 53-63.





Cognitive ToM: The goose doesn't know the fox is there but we do. We know fox's intention is to eat a goose and duck.

Affective ToM: We realize that goose is nervous/worried.

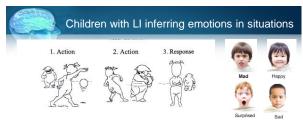


Early Studies of LI and Inferring Compared to typically developing children, on both verbal and visually presented stories, children with language impairments:

- · Make fewer total inferences
- · Make more inference errors

Bishop, D.V.M., & Adams, C. (1992). Comprehension problems in children with specific language impairment: Literal and inferential meaning. *Journal of Speech and Hearing Research*, 35, 119-129.

Research, 36, 119-129.
Crais, E., & Chapman, R. (1987). Story recall and inferencing skills in language/learning-disabled and nondisabled children. Journal of Speech and Hearing Disorders, 52, 50-55.
Ellis Weismer, S. (1985). Constructive comprehension abilities exhibited by language-disordered children. Journal of Speech and Hearing Research, 28, 175-184.



Twinky was bouncing a ball. A bully took the ball. Twinky was...

Ford, J.A., & Milosky, L.M. (2003). Inferring emotional reactions in social situations: Differences in children with language impairment. *Journal of Speech, Language, and Hearing Research, 46*, 21-30.

Children with LI inferring emotions in situations

- 5-year-old children with language impairment (LI) and typically developing children (TD) were 100% correct in pointing to pictures of happy, sad, mad, surprised
- TD and LI children were 100% correct in labeling happy, sad, mad; 4 of the 12 children with LI did not label surprised correctly
- Children with LI made significantly more errors inferring emotional reactions
 - Children with LI made more errors of a different valence, e.g., mad for happy

Ford, J.A., & Milosky, L.M. (2003). Inferring emotional reactions in social situations: Differences in children with language impairment. *Journal of Speech, Language, and Hearing Research*, 46, 21-30.



Inference in LI Children 6-10 years old

- Children with LI had more difficulty with emotional inferences than TD children
- Children with LI made more errors of valence than TD children, e.g.,
 - TD same valence errors, e.g., sad for angry
 - LI different valence errors, e.g., happy for sad or angry



Vendeville, N., Blanc, N., & Brechet, C. (2015). A drawing task to assess emotion inference in language-impaired children. *Journal of Speech, Language, & Hearing Research, 58*, 1563-1569.

Can a verbal inference task differentiate between:

Children with language impairment (CwLI) and matched peers with typical language development (TLD) (6-11 years)

Children with specific language impairment (CwSLI) and children with pragmatic language impairment (CwPLI)

Adams, C., Clarke, E., & Haynes, R. (2009). Inference and sentence comprehension in children with specific or pragmatic language impairments. International Journal of Language and Communication Disorders, 44, 301-318.

Sentence Comprehension (SC) Task

- Child pointed to a picture (from a set of four choices) or written word on the test booklet (again from a set of four words read by the evaluator).
 - direct and indirect objects ("She gave the baby the book.")
 - passive comprehension ("The dog was splashed by the girl.")
 - embedded clauses (The crocodile that bit the lion was small.")
 - complex continuous past ("Which one have I already eaten?")

Adams, C., Clarke, E., & Haynes, R. (2009). Inference and sentence comprehension in children with specific or pragmatic language impairments. *International Journal of Communication Disorders*, 44, 301-318.



Inferential Comprehension (IC) task

- Picture of kitchen in aftermath of a burglary.
 - Householder and policewoman picture with clues
 - Torn piece of cloth
 - Footprint
 - Broken window
- · Examiner read short text about picture
- Students asked 11 questions designed to tap inferring

Adams, C., Clarke, E., & Haynes, R. (2009). Inference and sentence comprehension in children with specific or pragmatic language impairments. *International Journal of Communication Disorders*, 44, 301-318.



Some Inferential Comprehension (IC) Questions

Easiest

Hardest

- · Why was the dog barking?
- · Why is the policewoman there?
- · What happened when the burglar got into the house?
- · What clues will the police find about who broke in?
- · Why did the burglar break into the back of the house?
- · How does the family feel now?
- How do we know it was the burglar who broke the window?
- What will the family do now because of the burglary?

Adams, C., Clarke, E., & Haynes, R. (2009). Inference and sentence comprehension in children with specific or pragmatic language impairments. *International Journal of Communication Disorders*, 44, 301-318.

Comprehension in children with LI



- Made significantly more literal comprehension errors (didn't understand the question).
- CwLl had lower raw scores on the IC task than CAmatched CwTLD, but similar scores to SC-matched CwTLD

CwSLI Vs CwPLI

- The CwSLI had significantly higher IC scores than CwPLI
- No significant differences between the types of inferences that CwSLI and CwPLI made

Adams, C., Clarke, E., & Haynes, R. (2009). Inference and sentence comprehension in children with specific or pragmatic language impairments. *International Journal of Communication Disorders*, 44, 301-318.

Comprehension in children with PLI

CwPLI

- CwPLI performed more poorly on developmentally more complex inference items
- Had significantly lower inferential scores than their CA and SC matched groups.

Adams, C., Clarke, E., & Haynes, R. (2009). Inference and sentence comprehension in children with specific or pragmatic language impairments. International Journal of Communication Disorders, 44, 301-318.

Inferential processing in ASD Physical Causality Intentionality/Mental states Emotional S





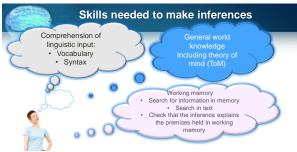


More errors



Andy was only 2 years old. He was sitting on his mother's lap when a big dog ran up and licked him on the cheek. Andy's eyes got really big, and he started to cry.

and acked film of the claes. Analy sey learn and acked film of the claes. Analy sey learn and acked film of the claes. Analy sey learn and acked film of the claes. Analy sey learn and acked film of the claes. Analy sey learn and acked film of the claes. Analy sey learn and acked with autism. Journal of Autism and Developmental Disorders. 45(9), 2721-2733.



Karasinski, C., & Weismer, S.E. (2010). Comprehension of inferences in discourse processing by adolescents with and without language impairment. Journal of Speech, Language, and Hearing Research, 53, 1268-1279.

Inferring in 4 Groups of 8th Grade Students Normal language group (NL) Normal vocab/syntax, world knowledge, working memory Specific language impairment group (SLI) Nonspecific language impairment group (NLI) Deficits in vocab/syntax and world knowledge, and working memory

Karasinski, C., & Weismer, S.E. (2010). Comprehension of inferences in discourse processing by adolescents with and without language impairment. *Journal of Speech, Language, and Hearing Research*, 53, 1268-1279.

Normal vocab/syntax

Deficits in world knowledge and working memory

The King's Ducks

Once upon a time, there was a king who lived in a gorgeous castle on the edge of a beautiful lake. This king had two special ducks that he was very fond of. He told his young son that if he could determine which duck was the male duck, he would give the son all his riches. The son thought that surely he bigger duck was the male duck, but he figured he had better do some more investigating before making a decision. The son traveled out to the countryside and requested help from a man he saw walking on a country road. The farmer was amazed to see the king's son outside of the castle grounds. "Would you be so kind as to help me, sir?" said the boy. "I need to know how to tell male ducks from female ducks. I would appreciate any information you can give me, since my future depends on it." The farmer told the son to take the ducks out of the water and set them on the shore. Then, he told him to watch carefully to see which duck would enter the water first. The farmer said that the first to enter the water was always the male duck. The boy returned to the castle to try out the farmer's advice. He was glid he had listened to the farmer, because he was surprised to discover which duck was the male. The following day, he informed the king that he knew which duck was the male duck. The king was very pleased and kept his promise to his son.



Literal and Inferential Questions

- Adjacent Premise Questions
 - Which duck did the farmer say would enter the water first?
 - Where did the young son find someone to help him?
- Distant Premise Questions
 - What would the king give his son if he could figure out which duck was the male duck?
 - Before he talked to the farmer, which duck did the son think was the male?
- Adjacent Inference Questions
 - Who was the man that was walking on the country road?
 - How did the young son determine which of the King's ducks was
- Distant Inference Questions
 - How do you know the son got the king's riches?
 - Why was the son surprised when he figured out which duck was the male duck?







Inferring in 4 groups of 8th grade students

- Working memory: All measures correlated highly with inference scores
- · Adjacent inference questions
 - No difference between NL and LC groups
 - NL group better than SLI and NLI groups
- Distance inference questions
 - NL->LC->SLI-> NLI
 - All groups of students had more difficulty with distant inference questions than adjacent inference questions

Karasinski, C., & Weismer, S.E. (2010). Comprehension of inferences in discourse processing by adolescents with and without language impairment. *Journal of Speech, Language, and Hearing Research*, 53, 1268-1279.

Inferences by 4-7 year olds (TD & ASD) in narrative comprehension

 It's Susie's birthday party tomorrow. Susie and her Mum go to the supermarket to buy food for the party. Susie really hopes Mum buy her a chocolate cake. They get a cake, some candy, and some chips. Then they pay the cashier. Susie leaves the store smiling and feeling happy. And they take the food home.

Question type	Inference type	Question	Answer
Factual		Where do they first go in the story?	To the supermarket
Propositional	Deductive	Why was Susie happy when they left the store?	Her Mum bought a chocolate cake.
Script	Inductive	Why did they give money to the cashier?	To buy the food

Nuske, H.J., & Bavin, E.L. (2011). Narrative comprehension in 4-7-year old children with autism: testing the weak central coherence account. *International Journal of Language and Communication Disorders*, 46, 108-119.

Central Coherence

- Ability to derive overall meaning from a mass of details
 - A person with strong central coherence, looking at an endless expanse of trees, would see "the forest."
 - A person with weak central coherence would see only a whole lot of individual trees.



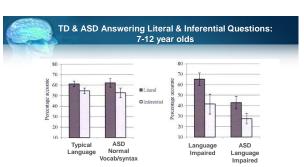
Frith, U., 1989. Autism: Explaining the Enigma. Blackwell, Oxford.

Central Coherence: Important for inductive inferences

Inferences by 4-7 year olds in narrative comprehension

- Children with ASD and typical children performed similarly on factual and propositional/deductive questions
 - Propositional/deductive inferences require integrating information within the text
- Children with ASD performed less well on script/inductive inferences than typically developing children
 - Supports weak central coherence theory, i.e., problems integrating information to make script inferences

Nuske, H.J., & Bavin, E.L. (2011). Narrative comprehension in 4-7-year old children with autism: testing the weak central coherence account. International *Journal of Language and Communication Disorder*, 46, 108-119.



Lucas, R., & Norbury, C.F. (2015). Making inferences from text: It's vocabulary that matters. *Journal of Speech, Language, & Hearing Research, 58*, 1224-1232.

Specific Difficulty in Inferencing

- · 12.5% of TD children
- · 33% of children with ALN
- 58% of children with LI
- 50+% of ALI children



Lucas, R., & Norbury, C.F. (2015). Making inferences from text: It's vocabulary that matters. Journal of Speech, Language, & Hearing Research, 58, 1224-1232.

Working Memory, ASD, and Inferences (Adolescents 11-18 years)

Fatima is going to work as a waitress this weekend. Her sister is sick and she is going to replace her. When Fatima was a child she sat all her dolls and pretended to be a waitress bringing glasses of water. Also, when asked what she wanted to be when she grew up, she always replied, "a waitress." On top of it, she is going to earn some money in a proper job.

> Fatima was feeling excited Fatima was feeling disappointed

Tirado, M.J., & Saldana, D. (2016). Readers with autism can produce inferences, but they cannot answer inferential questions. *J. Autism Dev Disorder*, *46*, 1025-1037.

Working Memory, ASD, and Inferences (Adolescents 11-18 years)

Isabel's boss has told her that she has to go to England for 4 months. She can't sleep since she received the news. She doesn't know how she will live there. She won't have her family nearby and, most important, she won't be able to talk to anyone because she doesn't speak English.

Neutral sentences before inference

· Twenty years ago, people rarely studied English at school and students could choose to study other languages, such as French or German. But nowadays, to get a job, you must speak English.

Isabel was feeling unhappy

Isabel was feeling happy

Tirado, M.J., & Saldana, D. (2016). Readers with autism can produce inferences, they cannot answer inferential questions. *J. Autism Dev Disorder, 46*, 1025-1037.



have gray eves











snakes (point) or gray eyes like these snakes (point)?

Do you think it has

blue eves like these

Category Induction in ASD % of Group

TD Optimal HFA 17.3 16.7 15.4 23.1 27.8 38.9 38.4



Naigles, L.R., Kelley, E., Troy, E., & Fein, F. (2013). Residual difficulties with categorical induction in children with a history of autism. *J Autism Dev* Disord, 43, 2048-2061.

Concept Questions

- Qualitative Reading Inventory-
- · Who was Martin Luther King?
- · What is racism?
- · What is Washington, DC?
- · What does "equal rights" mean to you?



Martin Luther King, Jr. - 5th Grade

- Explicit questions
 - -In some cities, what did blacks have to do on a city bus? (give up their seat)
 - -Why was Rosa Parks arrested? (she didn't want to give up her seat)
 - -What did many people do to protest Rosa Park's arrest? (don't know)
 - -Name one way in which Martin Luther King was honored for his work. (a medal)

Leslie, L., & Caldwell, J.S. (2011). Qualitative Reading Inventory-5. Boston: Pearson.

Martin Luther King – 5th grade

- Implicit Questions
 - What was Martin Luther King's main goal? (change the law) (relational inference - integrate across text)
 - Why had people made laws separating blacks and whites?
 (don't know) (causal inference prior knowledge)
 - What happened when people refused to ride the buses? (lost money ?? They had to change the law) (causal inference – across the text)
 - Why was Washington, D.C. an important place to protest unjust laws? (the president lives there) (causal inference – prior knowledge)



What to do to Develop Inferring

Activate prior knowledge/build knowledge

Develop vocabulary/syntactic structures

Develop theory of mind

Teach types of questions

Use Think-Alouds, questioning the author

Kispal, A. (2008). Effective teaching of inference skills for reading: A literature review. (DCSF Research Report 031). London.



Making Connections The 1st Grade All Stars Sing the Making Connections Song What does it does it rer Things I kno

Make connections, make connections, when you read, when you read Think of text to text, think of text to self, text to world text to world What does it make me think of, what does it remind me of.
Things I know in my head.
Text to world, text to world

Text-to-Self: connections made between the text and the reader's personal experience.

Text-to-Text: connections made between a text being read to a text that was previously read.

Text-to-World: connections made between a text being read and something that occurs in the world

https://www.youtube.com/watch?v=Tbtx3kb-jRk

Types of Connections • Text-to-self: What does this remind me of in my life? What is this similar to in my life? How is this different from my life? Has something like this ever happened to me? How does this relate to my life? What were my feelings when I read this?

• Text-to-text:
What does this remind me of in another book I've read?
How is this text similar to other things I've read?
How is this different from other books I've read?
Have I read about something like this before?

https://www.youtube.com/watch?v=czwc5tBp5co

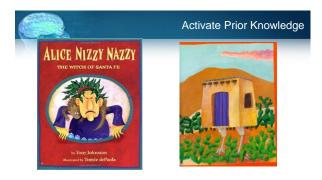
Text-to-world:

What does this remind me of in the real world? How is this text similar to things that happen in the real world? How is this different from things that happen in the real world? How did that part relate to the world around me?



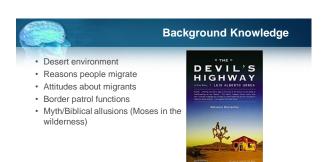


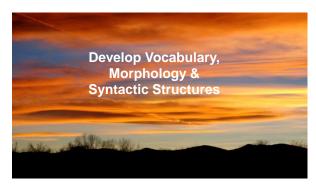


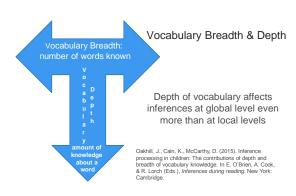


















 $\underline{https://www.collinsdictionary.com/dictionary/english}$

Teaching Vocabulary

Word	Dictionary Definition	Friendly Definition
Protrude He was able to lift Zero high enough for him to grab the protruding slab of rock.	extend out or project in space	If something protrudes from somewhere, it sticks out.
Writhe His body writhed in agony.	move in a twisting or contorted motion	If you writhe, your body twists and turns violently backwards and forwards, usually because you are in great pain or discomfort.
Predatory The yellow-spotted lizards like to live in holes, which offer shade from the sun and protection from predatory birds.	living by preying on other animals	Predatory animals live by killing other animals for food.
Grimace He grimaced as he sliced off a chunk of dirt, then raised it up and flung it onto a pile	contort the face to indicate a certain mental state	If you grimace, you twist your face in an ugly way because you are annoyed, disgusted, or in pain.

Vocabulary Instruction

- · Contextualize word for its role in the story
- Have children repeat word so they create a phonological representation
- · Explain the meaning of the word
- · Give examples in contexts other than the story.
- · Children provide their own examples
- Children say word again to reinforce its phonological representation



Lisa was reluctant to leave without Corduroy.

Beck, I.L., McKeown, M.G., & Kucan, L. (2013). *Bringing words to life*. New York: Guilford.

Teach Vocabulary in Thematic groups

- · The black widow spider
 - widow, prey, poisonous, scamper, fluid
- · The American colonies
- colony, independence, migrate, settlers, trade
- Whales
 - adapt, agile, depths, docile, frolic, glide, tragic, treacherous, vicious

Bowers, L. (2011). Word feast - elementary. Pro-Ed: Austin, TX. Johnson, P. (2011). Word feast - middle school. Pro-Ed: Austin, TX. Johnson, P. (2014). Word feast - adolescent. Pro-Ed: Austin, TX



Teach Vocabulary in Thematic groups

SERP Word Generation Program

- Program to teach academic vocabulary language, discussion, argumentation, and thinking skills to students in 4th-8th grades
- · Words are taught in multiple contexts over 5-10 lessons
- Available free: http://wordgen.serpmedia.org

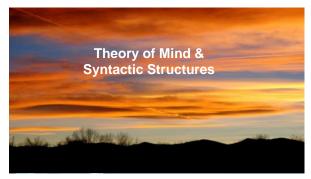
Should Schools Protect Kids from Cyberbullying?

• The internet offers new ways for people to engage in bullying and harassment. People who are usually kind may discover an underlying capacity for meanness when they are online, where they feel anonymous. Some people suggest rules to help others to remember to be kind. For example, "Don't say something online that you wouldn't say in person." Is this rule adequate? What are some other good rules for online interactions?

Use the focus words

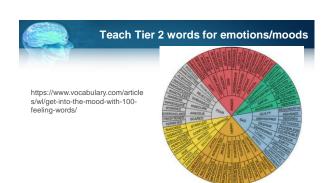
- anonymous (adjective) not named or identified
 - Sample Sentence: Since many of the harmful comments come from anonymous sources, teachers and principals are unable to determine who the cyberbullies are.
- Turn and Talk: Describe a situation when you would want to write an anonymous note.
- underlying (adjective) fundamental but not revealed or expressed
 - Sample Sentence: When a child is having problems in school, cyberbullying can be an underlying cause.
 - Turn and Talk: What could be some underlying reasons that a student refuses to participate in P.E.?

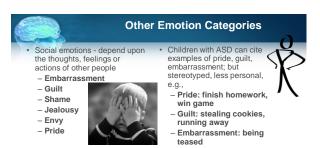








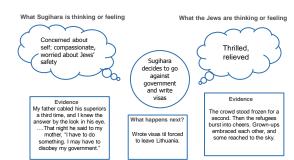


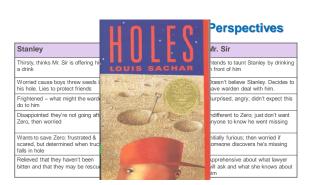


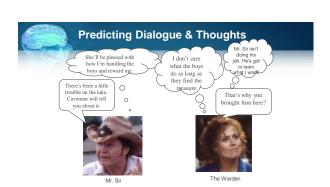
Hobson, R.P. (2014). Autism and emotion, In F.R. Volkman, et al (Eds.) Handbook of autism and pervasive developmental disorders, Vol. 1. Hoboken, NJ Wiley.

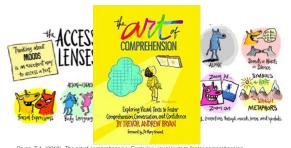












Bryan, T.A. (2019). The art of comprehension: Exploring visual texts to foster comprehension, conversation, and confidence. Portsmouth, NH: Stenhouse.



Access Lenses: Mood despondent, then joyful

Colors	Bodies/Action	Facial expressions
Everything brown	Walking slowly	Stanley's face blank
Hazy	Lying still, not moving	Eyes squinting
Very bright		Increasing smile
Close together/far apart	Words/no words	Big things:
Stanley & Zero hugging	No words for long time	Desert
- 00 0	First words - Zero, Zero	Mountain
Alone	(first soft, then louder)	
Stanley all alone	Sounds/no sounds	Little things:
Zero all alone	Repetitive "music"; no	Piece of clothing
	other sounds	
Zoom in	Symbol/mood	Connections
Close up of piece of	Desert - Obstacles,	Hiking at Monument
clothing, feet	hardships	Valley
Zoom out:	Mountain - obstacles/	The Desert is Theirs
Distance view of desert,	overcoming obstacles.	Like the Sahara Desert
mountain	aspirations, goals	

Bryan, T.A. (2019). The art of comprehension: Exploring visual texts to foster comprehension, conversation, and confidence. Portsmouth, NH: Stenhouse.



	Mood: Wilbu	r in <i>Charlotte's We</i>
Text	Relevant Access Lens	Inference/Mood/Meaning
The next day was rainy and dark.	Color	It's a gloomy sort of day.
Templeton was nowhere to be seen.	Far apart	Wilbur is feeling lonely.
"Are you there, Templeton?" called Wilbur. There was no answer.	Silence	This heightens the sense of loneliness.
Fern won't come in such bad weather.	Far apart	Wilbur wants a visitor.
And Wilbur was crying again	Action	Wilbur feels sad that nobody was around.
Wilbur did not budge.	Inaction	Depressed
Darkness settled over everything.	Color, symbol, big	There was no hope anywhere.

Bryan, T.A. (2019). The art of comprehension: Exploring visual texts to foster comprehension, conversation, and confidence. Portsmouth, NH: Stenhouse.

Sentence Frames for Expressing Emotional Relationships

Character	When	Emotion	Why (because)
Loki	he hears Thor say	ashamed	he broke the relationship
	he can't trust Loki		hetween him and Thor

Internal States Inference Chart Characters When Feeling Why Zero was looking over his shoulder when he didn't want Zero to see what he was writing Stanley annoyed Stanley was writing to his mother X-ray takes the lipstick tube and turns it in Stanley found the tube so he should get a day off Stanley frustrated He thought she might have died or that she didn't want him relieved, thrilled, Zero He finds his mother happy Because the authorities will learn how she has been using the boys and she could go to jail The Warden Stanley's lawyer finds the boys in the hole worried



Promoting Questioning

- · Model how to formulate different types of questions
- · Model higher level questions that require using textual cues and prior knowledge
- · Ask students to reflect: How does this question help us understand the text
- · Provide question starters, e.g., "Why do you think...?

Oczkus, L.D. (2010). Reciprocal Teaching at work. Newark, DE: International Reading



Question-Answer-Relationships

- Where is the answer?
 - Right there!
 - Words are right there in the text
- Where is the answer?

 Think and search!
 Words are in the text, but not spelled out for you. Think about what the author is saying.
- Where is the answer?

 You and the author!
- Think about what you have learned and what is in the text.
- · Where is the answer?
 - On your own!
 - Answer is in you head.

Raphael, T.E. (1986). Teaching question/answer relationships, revisited. *The Reading Teacher*, 39, 516-522.



QAR (Question-Answer-Relationship) Passage to Freedom: The Sugihara Story

- · Right there
 - Why were the Sugihara family living in Lithuania?
- · Think and search
 - In what ways did Hiroki's life change after the Polish Jews came to his house?
- Author and you
- What is a visa?
- Why didn't Mrs. Sugihara help write the visas?
- · On you own
 - Can you think of someone else who has risked his or her own life to save other persons?

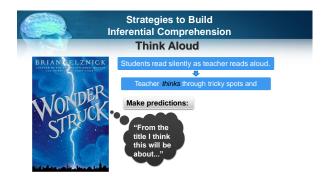




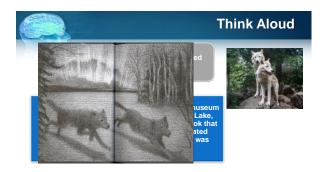
Promoting Inferring

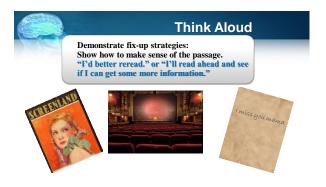
- Model inferring/predicting using think-alouds and text cues
- Ask students to preview illustrations and headings and think about what they will learn from text
- Use what you know about text structure to infer/predict
- Periodically summarize what has happened so far and add, "Now I think... because...."

Oczkus, L.D. (2010). Reciprocal Teaching at work. Newark, DE: International Reading Association.

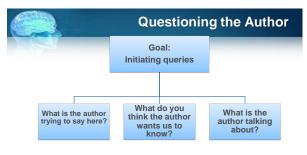












Beck, I.L., McKeown, M.G. (2006). Improving comprehension with questioning the author. New York: Scholastic.





















