# Progress monitoring: Tying it to the curriculum

SANDI GILLAM PHD., CCC-SLP

Sandi.gillam@usu.edu www.childlanguageresearch.com



Sandi Gillam has a financial interest in Supporting Knowledge in Language and Literacy (SKILL), sold by USU, and the progress monitoring tools associated with the intervention program.

The program and SKILL PM tools were developed with funds awarded by the Institute of Education Sciences R324A100063

This presentation will cover various methods by which narrative discourse may be measured for monitoring progress toward curricular goals.

Story structure and specific literate language features that contribute to narrative proficiency will be discussed.

The presentation will also address some of the factors that contribute to how rubrics may best be designed to measure aspects of language intervention in school-based settings.

## Learning Outcomes

After completing this program, you will be able to . . .

Describe story elements and literate language features

Describe measures for monitoring change in the use of story grammar elements and literate language features during story telling & story composition

Describe factors and issues that contribute to outcomes using progress monitoring tools  $% \left( {{{\rm{D}}_{{\rm{s}}}}_{{\rm{s}}}} \right)$ 

#### Curriculum-based assessment & intervention

IDEA ensures access to general curriculum for children with speech and language needs

#### What does this entail?

- Children and adolescents with disabilities and their teachers are accountable for student progress in the general education curriculum.
- Specific instruction should be designed to ensure access of the child to the general curriculum so that he or she can meet the education standards that apply to all children.

#### Curriculum-based assessment & intervention

These changes are designed to lead to integrated speech and language service delivery that includes curriculum-based assessment and intervention.

Because the heart of the IEP has changed, its design and implementation have also changed.

Fundamental to this paradigm shift is the underlying assumption that educators and parents must collaborate & work together on the student's behalf.

 \*Whitmire, K. (2002). The evolution of school-based speech-language services: A half century of change and a new century of practice, *Communication Disorders Quarterly*, 23, 68-76.

## This leads to a need for...

Contextually based assessment Educationally relevant intervention Collaboration

\*Whitmire, K. (2002). The evolution of school-based speech-language services: A half century of change and a new century of practice, *Communication Disorders Quarterly*, 23, 68-76.

### Shifting focus for monitoring progress requires: Contextually based assessment



Improve expressive language skills to be developmentally appropriate (measured by (EOWVT)

Improve receptive language skills to be developmentally appropriate (measured by PPVT)

Improve general language proficiency (measured by CELF)

Carlos will produce the conjunction word "and" to connect two SVO clauses in 8 out of 10 sentences produced in obligatory contexts during play given clinical models and growth-relevant recasts.

Steve will point to pictures representing nouns, verbs, and adjectives from his vocabulary list with 80% accuracy when two foils are present.

Steve will produce nouns, verbs and adjectives from his vocabulary list with 80% accuracy given picture cues and clinician questions.

In the 90's, I taught students to write learning goals - to make them think about what children would have to learn rather than just what they do. Here are some examples. R. Gillam

Learning Goal: John will learn that assertions expressing possibility beliefs based on inferences about narratives are produced with the surface form "NP + Modal could + V + (NP)." in response to predictive questions posed while reading a book.

Behavioral Goal: To increase expressive use of the modal could as demonstrated by the ability to produce "NP + Modal could + V + (NP)." given auditorally presented texts, visual cues, clinician questions, and peer models with 80% accuracy over 20 trials.

Learning Goal: John will learn that the modal "can" can express the ability to perform an action in the form "NP + can + VP."

Behavioral Goal: To increase use of "can" as demonstrated by the ability to produce "NP + can + VP." with 90% accuracy given auditory and visual cues.

Learning Goal: Susan will learn tthat the semantic notion of intention can be expressed by the catenative "gonna" in the sentence construction "N + catenative + V + N."

Behavioral Goal: To increase use of "gonna" as demonstrated by the ability to produce "N + catenative + V + N" with 95% accuracy given clinician models.

Narrative Kindergarten	Grade 1	Grade 2
Ask & answer questions about key details (with support)		Ask & answer questions: wh- & h questions about key details
Retell stories w/detail	Retell stories w/detail & understand central message/lesson	Retell stories, fables, folktales w/detail & understand central message/lesson
Identify character, setting, major events in story	Describe character, setting, major events in story using key details	Describe character goals in story.
Ask/answer questions about unknown words	Identify words, phrases that highlight "feelings"	Describe how regular beats, alliteration, rhymes, repeated lines give "rhythm" and meaning to stories
Recognize common text types	Explain differences between texts	Describe text structures
EZ language Core	EZ common core (app) http://www.148apps.com	m/app/407436412/



Ask & answer questions about key details (with support)

Retell stories w/detail

Identify character, setting, major events in story

Ask/answer questions about unknown words

Retell stories w/detail &

understand central message/lesson

Describe character, setting, major events in story using key details



# What are the language skills that need to be targeted to get us to retelling?

Retell stories with detail

- Memory for story elements
   Memory and attention to the causal framework connecting the character to his or her goals and motivation
- Attention to the actions taken by the character as a result of his or her goals and motivation
- $\circ~$  The success or failure of the actions taken to achieve the goal
- Details that contribute to the quality of the story
   What did the character look like?
- What uld the character look like
   Was he nice, mean, funny?
- Attention to the internal response of the character as he or she carried out actions in service of the goal
- Knowledge of words that signal temporal & spatial relationships
- Knowledge of pronouns and how to use them to refer to characters
- Knowledge of vocabulary specific to the content of the story

# Broader goals situated in authentic contexts



Contextualized skill intervention involves identifying the skills needed to participate in communicative activities for particular reasons under specific conditions (Wolter, Ukrainetz, & Ross, 2016).

Ukrainetz, T.A. (2006). Contextualized Language Intervention: Scaffolding PreK–12 Literacy Achievement: Austin, TX: Pro-Ed. Ukrainetz, T.A. (2015). School-age intervention: Evidence-based practices. Austin, TX: Pro-Ed.

presentation.	
1. Bounce a ball	<ol> <li>Play a chaotic, poor, but fun whole basketball game</li> </ol>
2. Dribble a ball	2. Work on a dribbling drill, a passing drill, a
3. Dribble and shoot	snooting drill
4. Dribble, move, and shoot	<ol> <li>Play a less chaotic, but still fun basketball game</li> </ol>
5. Dribble, move, and pass	4. Work on skill drills a bit more
6. Dribble and pass with an opposing player	5. Play an almost orderly, almost skillful, fun game
7. Dribble, move, and pass with an opposing player	6. Work on dribbling in the game, passing in the next game, shooting in the next game
8 Dribble move and pass with three on	7. Take a break and just play the game
each side	8. Back to skill drills, but no worries, another
9. Play the game – uhoh, too late, the year is	game is coming up
over, maybe next year	

Broader goals situated in authentic contexts







Assessment Contexts

Recognition

22



Reliability (Decimals Omitted)						
Type of reliability coefficient						
TNL-2 values	Coefficient alpha	Test-retest	Scorer			
Comprehension	81	85	99			
Production	87	82	99			
Narrative						
Language						
Ability	90	93	99			
	Content sampling,					
Sources of test	content		Interscorer			
error <sup>a</sup>	heterogeneity	Time sampling	differences			





	reservation Subtrat, Task 1: McDonald's			
Direction	ai Sag. Have you ever nation at a fast fixed restaurant	like McDonald's or Burger King?	¥	N
What do	preva littue to anders?			
Place Multi mother, 1 to retail 1	enable's picture in finist of the shift. Then say, I visited pro- tisten carefully because the points to ack you seeme o he whole story to see. Are you mody?	e to liden to a story alout two chil perultans about II. After you answer	the que	ie gis out to cat with the client, I'm going to ask ye
On Itarial want to y wood, the counter, i made up	eg. Una and Rayround tan in and threw their backp po?" Una and Rayround both pelled, "McDonabU? a couldr's decide what to order. She thad the has Raymond andered a sheresrburger, forsch hirs, an are mind. Not told the cleft, "IB have thicken may	acks on the fluor. Duris mother said, it task them only five minutes is duringers, but the abas liked the chick if a large samilla milk shake. Their mprits, a Cole, and an lice ornean anne	Vierts p per ta ti ten nuge nother o	o out to eak. Where do yo rele favorite instantant. A pets. When they got to the record a calad. Lisa Real
Liba's of 8 plate and	more paid the clerk and went to sit down. When sh or shirt and skirt, Lisa started crying and said, "Lo "She bought Lisa another ice crosm cont. Then the	e lookerd up, Liza was standing then ok what I did!" Her men hogged he ry dreve hame.	e with a r and sa	big brown stain down th id, "It's G.K., I can get the
	A construct Manual			
a second second				
Compression Scoring B listed next	Resettleme: Score 1 point for each correct response, No rep- to the Manin,	etilitors as prompts are allowed. Note: Se	tal possible	te poten he each question a
Compre Scaring B listed next	Reactions: Score 1 point for each correct response. He rep- to the Marika.	etilitato ar prompts are allowed. Note: for Gamenti Rasgourses	tal possile	le points for each question a
Corruption B Scoring B Insted most	Reactioners: Source 1 point for each connect response, No rep to the Mamin, What day of the same was 10 <sup>3</sup>	etilitato ar petempis are allowed, Mole: Se Carrect Responses Narufay	tal pocsile	le polisits for click question a
	Interflorms: Score 1 points for each covered responses. No exp to the Manito. What day of the works was it? What time of the day was it?	etilitato ar prompto are allowed. Note: he Gament Responses Netslay	tal possibi	te polisits for each question a
(0 1. 10 1. 20 3. 10 1.	ferentienes: Source 1 points for each correct emposes, No rep- to the Manika. What day of the work was it? What four of the day was it? What work the induced a norm?	etilitan ar perengits are allowed. Note: for Connect Bargeonaes forsulay	pecific tie	te politici for each question a
	foreefease. Source 1 points for each convect sergeness, No rep- to the Mantha, What days of the works was 10 What works of the day was 17 What works the children's name?	etititans ar prompts are allowed. Note: 'to Canneck Responses Torislay	pecific to	ne (e.g., 5:00)
	Incretions: Source 1 pushes for each convert responses, Ho rep to the Manual, What days of the source source R7 What would for address to assume? What would for address to assume? What would for an of forwards there before they What would for an of forwards there before they	elitition or permits are allowed. Note: for Connect Responses Norsky	perific to	ne (o.g., 5:08)
Compare Loaring 0 Initial need 	Inertimes Learn 1 point for each correct response. He rep to the Maxim. What day of the work was 10 What more of the day was 17 What work for during and flatters in a What work of the district is an inter- librar bad (tag and flatpmind free for the truty fulfield in their second flatters in their second	elitition ar peranges are allowed. Note: for Carried Responses Norolay	perific to	w policies for dark question at
Comparing 0 Instel need 	Institutes from 1 puttle for each correct response. He exp to the Massia, What day of the work was it? When some of the day was it? When they are the field of the some of the When the the some of the some of the some of the When the the some of the some of the some of the When the some of the some of the some of the some of When exercise the children walkes they talked to their When the some of the	etition or prompts are allowed. Nove for Connect Bergennes Norsday	pecific tis	tr politis for dath question of ne (c.g., 5:00)
Contrigue Loaring 0 Initial model 	Inextinent. Score 1 points for each correct response. He exp to the Maxim. While days of the work was (K) When there of the days was (F) When severe the databases) When a severe the databases in the severe When the database of manual beam before they When the database of the severe the shifteen when they salided to their white databases of the manufactor solitowed a salidad?	etitiston se prempta ser allowed. Nort for Connect Responses Narskig Bissonerine-reservening-sider utuality Ura <u>Response</u> Discourte-response School / America School (Series) Al house (Neth Instal) Occurrenteringen <u>School</u> (Series) School / School (Series)	percific the	in guildin fan diadh gweidden ar an (o.g., 5:00) in shullen
Comparing 0 Instant ment 	Institutes Loose 1 putter for each correct response. He exp to the Mankaik. What day of the work way IN <sup>3</sup> What four or the day use all 1 What four or the day use all 1 What has been all the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What has the set of the set of the set of the What had its according to set	etitition ne presnyth ser allowed. Nove for Connect Responses Burshay Description of the scheduly Description of the scheduly Description of the scheduly Description of the schedul Scheduly and schedule of the schedul Description of the schedule Description of the schedule of the Observations of the schedule of the Checker schedule of the schedule of the schedule of the Checker schedule of the schedule	profile the	fr guildes for diads question or ne (s.g., 5:00) h: shades
Comparing 6 Instel and 	Inertimes Loan 1 point for each correct response. He rep to the Maximum What day of the work was M3 What one of the day saws P7 What work for day and flow many P4 What work of the day and flow many P4 What was p1 and flow many P4 What was p1 and flow many P4 What has p1 and many p1 What day p1 and many same p1 was p1	etekkkan ar grenngis er alleverit, keiter ker Cancel Bergenesse berafelge Bearenservensigerjaher schnach Uns Regenend Med morber helche Schnicht zwegnenschnach Al henne (Meth heunet) Al henne (Meth heunet) Chererkongen helch floor, den a der Unkern beraften beiter beiter beraften zwegnessen zu den beiter beraften zwegnessen zweg	pecific to pecific to mat dativities Ke co	in gallets for dark question of an (a.g., 5:00) in shallon
Compary Teering 0 Initial meet 	Inertiment Score 1 puint for each correct response. He exp to the Massia. What day of the work was it? What one of the day was it? What were the day was it? What was the to date anyo? What was the to date anyo? What was the to date anyo? When ever the children was here before they tabled to their word? What and the second was any stated as shere which de foregrammer any first What and the second was any stated as shere? What and the second was stated What and the second was shere any stated when the second was shere any stated when the second was stated by the second was was any stated by the second was shown when the second was shown any stated by the second was was shown any stated by the second was shown when the second was shown any shown any shown any shown was shown any stated by the second was shown when the second was shown any shown any shown any shown any shown any shown any shown and the second was	Consect Responses Database Database Database Disease Disease annual consistent and Disease annual disease School A semplang biology A Is lama (Mark Name) Descripting Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Markow Descripting Markow Descripting Markow Descr	pecific tie mil diad/viores ior cos	ne (o.g., 5:00) Ne doda
Compary Foring 9 (1) 100 (1) 100 (2) 100 (2)	Inections. Loose 1 puints for each correct responses. He experiments to the Maximum. The the Maximum of the days uses 87 Minutes strength of the Maximum of the days uses 87 Minutes where the days uses 87 Minutes where the days and the maximum of the days of	stellman are generates are allowed have her Connect Bargements Biology Biology biology _	pecific tie milit dial/block kir cm etsmi	ing galants for dark questions of and (s.g., 5.00) in standad et3 like and colour of lare
Compare Loring 0 1 	Institutes Loose 1 putter for each correct response. He exp to the Manika. What day of the work was it? What more of the day was. B? What more of the day was. B? What has not been and fragmouth from before they statistical to their word. Where every the childraw calculated the states without the state word. Where every the childraw calculated is shown without different states of the states without different word. What diff is a state of the states of the states What diff is a state of the states of the states What diff is a state of the states of the states What diff is a state of the states of the states What diff is a state of the states What diff is a states of the states with the states of the states of the state	cleaning and according to a discording the second discording to the second discording discording to the second discording dis	perific to perific to dathing , for co- or humper	ne games for dark question o ne (c.g., 500) fo chalar c'ii She ann conte d har









# <section-header>

31



Recognition

34



# **Fictional Narrative Format**

- Dragon Story Story comprehension Fantasy picture (single scene) about a dinosaur in a cave. Examiner tells a story Child answers literal and inferential questions



sh St Tre

- at of \$30 for

## Fictional Narrative Format

Recognition

37

- Aliens story Production
- Fantasy picture with Alien family.
  Child creates story



story that goes with the p things that happen in the	ictum, Make year sto middle, and an endle	ny as beng ng. Neu can t	and as complete as you ca start anytime you are ready	n. Remend	er that stories have a beginning
Allowable starting probe: Wh- Allowable coding probe: Is the Provefore kines, Manual	it happened to the lo rec.anything mare? D	ey and the o May be said o	girl in the story? (Mayke sat w/y-mex)	farily since)	
Story Content Searing: Score	T point for each item to	ichadred in the	e child's story. He repetitions or		afferent.
Setting/	Factors That A	totivate	Actions Beact	ione i	Consequence (Ending)
1	<ol> <li>Spaceship/Unit</li> <li>Alterns opens on</li> <li>Girl mants to q</li> <li>alterns</li> </ol>	0 ud pa luter/devoet	Actions in argument to     Actions in argument to     Action actions (brind     Action actions (brind     Action     Action actions) (brind     Action     Actio	u allerus 1955 y ar mesari) mat allerus	<ol> <li>Milene stap feave</li> <li>Parents disolver aliens frame staped/self</li> <li>Roy Urget's feelings aliene the coding</li> </ol>
					Total (140 for Story Content Item
Conjunctio	ers III		Sentences		Story
Comparent bio 71. Inductors temporate relation 72. Inductors temporate relationship 73. Units and a set of these 73. Units and a set of these 74. Units and a set of the 75. Indicators cannot existent 76. Not-cannot	ns molyce toring of the second second second second second second second second second second second second second	Dars granne 0 There e 1 One or 2 Re giar Includes dial 0 No dial 1 Dialog 2 Two cho 1 gars	Autobassies unterally severed architectures entere generation al entern trans generation al entern mathing and entern severe sev	28. Mary 1 0 1 1 0 2 4 34. Mary 1 0 4 1 0 2 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	Secury matrix service and result of laterations, do east sealth more are and used of sequences, in statements and assessments, completes an complete result. completes an complete result, completes and complete result, completes and complete result. completes and complete result. The second second second second completes and complete result.
Compares this is inducates temporal archite present. 1 March and the temporal architecture 1 Marchitecture and temporal 1 Marchitecture and restartional resent. 2 No-Lowed relationsh 1 One mount different and design and relationsh 2 No-Lowed relationsh 2 No-Lowed relationsh design and	ers minipu berners a andred a stand a stand a stand berners	Units grannin 0 Three o 1 Our or 2 No gran Includes dat 8 No data 1 Dataga 2 No cha 9 No cha 1 Outop 2 No cha 9 No cha 1 Outop	Sendorscene anticulty correct anothercore recore gueroscene and another trace gueroscene and an exercise memory and an exercise in the user character moves at the user character at the user characte	23. Many 7 1 0 2 4 34. Story 0 1 6 2 7 3 1 7 1 7 1 0 2 7 1 0 2 7 1 0 2 7 1 0 2 7 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	Sheery whith some and more that of inquiries, do not major there are out of of inquiries, do not major it and of anguates. It also that anguates into a complete an and a topological anguates and topological anguates and topological and anguates and topological and topological and the anguates and topological and anguates at (12) for Stary Complexity Research



Response

The TNL-2 can function as a measure of Recognition to identify narrative discourse level issues · Standardized instructions & scoring procedures

- Norms
- · Valid items related to narrative discourse

# Monitoring progress Now we need reliable, consistent, valid measures for measuring

progress in discourse level skills, in authentic contexts Language Sample Analysis

- Narrative Sample Analysis
- o NAP o NSS

o MISL

Holistic Scoring

Measuring discourse skills with criterion referenced measures

•Language sample analysis has been the "gold standard" for evaluating oral language skills in children

- •Measures that have been used to analyze language change
- mean length of utterance (MLU)
- total number of words (TNW)
- total number of different words (TDW)

•(Heilmann et al., 2008)

#### Measuring discourse skills with criterion referenced measures

- •Language sample analysis
- percent grammatical utterances
- percent of complex sentences (or subordination index) SI is a measure of syntactic complexity which produces a ratio of the total number of clauses to the total number of C-units (or modified C-units for samples of bilingual Spanish/English speakers). A clause, whether it is main or subordinate, is a statement containing both a subject and a predicate.

•(Heilmann et al., 2008)

## Hurdles for LSA

4-6 minutes per each minute of audio is required to transcribe samples from typically developing speakers

7-8 minutes per each minute of audio is required to transcribe samples from speakers being evaluated for services or receiving services

Miller, Andriacchi, & Nockerts (2016). Using language sample analysis to assess spoken language production in adolescents. Language, Speech, and Hearing Services In Schools, 47, 99-112. Factors that contribute to time spent in LSA: Intelligibility, mazing, pausing, errors, and overlapping speech

Familiarity with transcription conventions

Play back equipment

Typing skill Quality of the recording

Sample length

Context (retell, spontaneous) Number of nonstandard features that are coded

## Advantages of LSA

Listening to the sample provides the clinician with greater insight into strengths and weaknesses

Clinical observations can shape our approach to analysis, to attend to details that might have been overlooked during elicitation  $% \left( {\left( {{{\mathbf{n}}_{{\mathbf{n}}}} \right)_{{\mathbf{n}}}} \right)$ 

SALT staff have worked with districts to set up transcription services by SLP aides or assistants using de-identified samples and secure websites • Dedicated transcriber

http://saltsoftware.com/transcription/services

(\$35 an hour, you upload your file, they transcribe it. SI, NSS, and custom coding available)

New news: samples do NOT have to be 100 utterances or be 15 minutes in length in order to accurately capture and assess natural language

Rule of thumb: a 5 minute conversational sample, 40-50 utterances is sufficient to yield meaningful results (Heilmann, Nockerts, & Miller, 2010).

Systematic Analysis of Language Samples

https://www.saltsoftware.com/

SALT 16 for Windows<sup>®</sup> and Mac includes a transcription editor, <u>standard</u> <u>reports</u>, and <u>reference databases</u> for comparison with typical peers. Accessories include the <u>SALT reference book</u> and <u>elicitation materials</u>.

Free! Online training courses take you through each step in the language sample analysis process.

https://www.saltsoftware.com/case-studies/

http://saltsoftware.com/training/self-paced-online-training

http://saltsoftware.com/training/howtovideos/si











Can elicit a story retell (Frog stories) in 4 minutes on average, to generate reliable estimates of spoken language skills (Miller, et al., 2016).

Hadley, P. (1998). Language sampling protocols for eliciting text-level discourse. Language sampling protocols for eliciting text-level discourse. *Language, Speech and Hearing in Schools, 29*, 132-147.

Interview format – time efficient, promote more advanced language structures than unstructured conversational samples

3 blocks:

Blocks 1 & 2 = 4 minutes each, conversational protocol to elicit conversation, personal narratives and expository discourse in the form of explanations of games and sports

Block 3 – 4 minutes, narrative protocol to elicit retellings of stories, programs or movies



## Block 3

Students watch Frog, Where are You video

Students retell story to clinician, answer comprehension questions about it, generate a new episode or ending to the story and then retell it to a peer or family member

There is a protocol in Appendix B that is used for conducting this part of the assessment process





Filiatrault-Veilleux, P., Bouchard, C., Truedeau, N., Bouchard, C., Trudeau, N., & Desmarais, C. (2016). Comprehension of inferences in a narrative in 3- to 6 year old children. JSHLR, 59, 1099-1110.

121 TD children ages 3-4, 4-5, and 5-6

Asked to listen to a story while looking at pictures on the Ipad, and then answer questions related to inferring the problem, internal response, predictions, & resolution

Children's responses were also coded as expected, incomplete, low contingency or inadequate (off topic)

interance	3-4 years old	4-5 years old	5-6 years old
Aber .	(r + 30)	(#+37)	jt + 54
Poblem	53.3"(18.8)	725785	747 (11.1)
internal response	48.9" (27.1)	73.8.07.9	79.1 (11.9)
Prediction	40.6" (20.4)	67.1 09.4	75.9 (18.5)
Goal of the character	52.8"(28.4)	71.6* \$2.5	852 (12.4)
Attempts to the problem	41.5"(21.3)	627/14.9	768 (12.1)
Resolution	47.1% (058)	72.6%* 00.8	84.5% (13.1)

The ability to infer the problem of the story, the internal response of a character, and predictions were easier starting at age 4 years.

Then, the 5- to 6-year-olds were better able to infer the goal, the attempt to solve the problem, and the resolution.







There was a boy and a (girl) girl There was a boy and a ship And it flew on the ground And three aliens (came off) came And they jump in the (car) car off it And the girl went home

STORY GENERATION

And the boy didn't want to



And they said McDonalds And they drive to McDonalds And the girl didn't know what she wanted And the boy and his mom (knowed it) knowed it what they wanted And then the girl knowed it what she wanted And (their mom) their mom ordered a salad And the boy ordered

somewhere







## Resources for Story Starters

http://www.meddybemps.com/9.700.html Free online Story Starters Collection http://saltsoftware.com/resources/elicaids/protocols/



# Hierarchy disclaimer

There is always a student who doesn't necessarily fit into this scheme

- Some students find retells harder than single scenes for various reasons
- Unfamiliar vocabulary
- · Contain concepts and ideas they have no background knowledge in
- Low interest in the topic
- Memory load issues
- Generating one's own story may be easier because the student can remain in his or her comfort zone with respect to vocabulary
- The presence of a model may make generating spontaneous stories easier accomplish



Elicitation context considerations Schneider, P., Rivard, R., & Debreuil, B. (2011). Does colour affect the quality or quantity of children's stories elicted by picture? *Child Language Teaching and Therapy*, 27, 371. http://clt.sagepub.com/content/27/3/371

Asked 22 TD preschool children to tell stories from color or black and white pictures

Two story sets of 5 pictures each

Children were observed to tell stories that were similar in narrative content, length (TNW), and word diversity (TDW) regardless of whether the pictures used to elicit stories were in color or black and white.

Only 4 children stated that color contributed to why they chose color over black and white  $% \left( {{{\rm{D}}_{\rm{s}}}} \right)$ 

The remaining children gave content related reasons for their preferences



Gazella, J., & Stockman, I. (2003). Children's story retelling under different modality and task conditions: Implications for standardizing language sampling procedures, AJSLP, 12, 61-72.

29 preschoolers aged 4;2-5;6 randomly assigned to modality presentation condition

Children were asked to retell the story to an unfamiliar listener and to answer 9 questions about it (provided in Appendix of the article)

- Modality
- · Audio only
- $^{\circ}\,$  Audio-visual (video of puppets acting out the story)
- $^\circ\,$  Groups did not differ in terms of the # of utterances, TNW, TDW, MLU
- Task
- Retelling
  - $^{\circ}$  Mean length of utterance longer, more complete & complex grammatical structures than in question answering
- · Question-answering
- Number of utterances and different words used higher than in retelling task

#### TABLE 1. Measures of language quantity for the narrative retelling and direct questioning tasks in the two story presentation conditions.

		Aut	tio Only	Aut	lovisual
Quantity Measure	Task	M	80	M	-80
Number of Utterances	Narrative Retelling "Direct Questioning	7.8 12.0	3.0 4.0	8.6 12.0	5.3 3.3
Total Number of Words (TNW)	Story Narrative *Direct Questioning	57.5 73.4	34.1 41.8	54.7 68.4	33.6 28.8
Mean Length of Utterance (MLU)	"Story Narrative Direct Questioning	8.2	2.6	7.6	1.8

The direct questioning task significantly expanded on the amount of talk and story understanding but the presence of the video was not necessarily helpful in eliciting stories from children

Does this suggest that clinicians should NOT use visuals to support story retelling?

Not necessarily.

 $\odot$  The study was small, recruited typically developing Caucasian boys only, and they were young (4;2 to 5;6)

Individual differences

o Students with ASD are well known to benefit from visual cues



Schneider, P. (1996). Effects of pictures versus orally presented stories on story retellings by children with language impairment. AJSLP, 5, 86-96.

16 participants between the ages of 5;7 and 9;9, LI

Pictures only – put pictures in front of child, child told story to researcher, then to unfamiliar listener

Oral followed by pictures - read story to child with the pictures visible, then child was asked to tell story to unfamiliar listener

 $\mbox{Oral}~\&$  pictures – read story with pictures present, pictures visible when child told story to unfamiliar listener

Oral only – read story to child with no pictures, no pictures were provided as child was asked to tell story to unfamiliar listener

## Measures of length (no significant differences between conditions) $^\circ\,$ Mean length of T-unit in morphemes

 Number of words Number of utterances

#### Measures of content

- Story grammar units
- Different/relevant information
- Different/irrelevant information

Pictures only – fewer SG units than oral followed by pictures & oral only, the most irrelevant & original information

Oral followed by pictures & Oral & pictures - fewer SGs than oral only Oral only – greatest number of SG units, more likely to qualify as a complete episode

Fiestas, C., & Pena, E., (2004). Narrative discourse in bilingual children: Language and task effects, LSHSS, 35, 155-168.

12 bilingual children ages 4;0 to 6;11 told stories in English and Spanish

- Asked to produce one narrative using wordless picture book & another using a static picture ir English and then in Spanish (total of 4 stories)
- Retell Task
- Produced narratives of equal complexity whether told in English or Spanish
- · Used more IEs and attempts in Spanish
- · Used more consequences in English
- Used more Spanish influenced English utterances for the book task than they did English influenced Spanish utterances suggesting that the retell task was more challenging than the picture task
- Static picture (birthday party)

Tended to yield a personal narrative rather than a fictional narrative making it difficult to compare the two conditions



Book Picture	

	Spanish	English	Spanish	English
C-units	31.67	33.75	20.17	19.50
# words	168	186	96	101

#### **Clinical Implications**

The retell task using a wordless picture book was more reliable in eliciting a narrative sample containing story grammar elements, but the language samples were fairly comparable for productivity and grammaticality.

- Eisenberg, S., Ukrainetz, T., Hsu, J., Kaderavek, J., Justice, L., & Gillam, R. (2008). Noun phrase elaboration in children's spoken stories. LSHSS, 39, 145-157.
- 2 narratives were elicited from 40, 5, 8 and 11 year olds

#### TNL

- picture sequence (Late for School)
   single picture (Alien story)
- Coded for:
- Simple designating noun phrases = 1 pre-noun element (the boy) Pre1
- Simple descriptive noun phrases = a descriptive element and a determiner (a small girl) Pre2
- Complex descriptive noun phrases = 2 or more descriptive elements and a determiner (the crazy yellow bus) Pre3
- Complex noun phrases = noun postmodification a face like aliens, a girl named Amanda) Post

Noun phrase elaboration was assessed by age (5, 8, 11), syntactic position (object or subject) and narrative context (single scene or sequenced picture)



If we stick to the curriculum, we can find specific, relevant and timebased goals.

The two most difficult parts of the goal involve measurability and attainability.

## Is this goal SMART? Matching the author to book title is observable, enjoying literature is not. • Identifying the major events in a story is observable, improving story knowledge is not Are any important conditions included (given a story starter, after hearing a story read) • Will retell stories isn't enough information. Are there measurable criteria that specifies the level of performance that is expected (will tell a story that contains a basic episode) • Jerry will retell a story with 85% accuracy. • Jerry will retell a story with 85% accuracy? Why would the goal be to be less than 100% accurate? What elements are required? This is not measurable

Present level of performance: When asked to compose a story from a single scene picture, Jeremy describes that picture, rather than creating a story that contains characters, settings and major events (no use of story grammar elements). When asked to retell a story, Jeremy leaves out these elements as well.

#### Objectives:

Jeremy will retell stories that include stated characters, settings, and initiating event and the attempts and consequences that are causally linked to the IE.

When given a single scene picture with an obvious initiating event, Jeremy will compose stories that include well-specified characters, settings (uses proper nouns), and initiating event and the attempts and consequences that are causally linked to the IE.

**Goal**: Describe characters, settings, and major events in stories using key details.